



1969-1970

JOHNSON C. SMITH  
UNIVERSITY





# Johnson C. Smith University

## *Catalogue*



1968-1969

**ANNOUNCEMENTS FOR 1969 - 1970**

**Charlotte, North Carolina**

Spring 1969

**Member of**  
**Southern Association of Colleges and Schools**  
**Association of American Colleges**  
**American Council on Education**  
**American Association of Colleges for Teacher Education**  
**Council of Protestant Colleges and Universities**  
**Council on Theological Education of the United Presbyterian Church, U.S.A.**  
**Presbyterian College Union**  
**United Negro College Fund**  
**North Carolina Association of Colleges and Universities**  
**College Entrance Examination Board**

**Associate Member of**  
**American Association of Theological Schools**

**Approved by**  
**The American Medical Association**  
**American Association of University Women**

**Address and Telephone**  
**Johnson C. Smith University**  
**100 Beatties Ford Road**  
**Charlotte, North Carolina 28208**  
**Telephone: (Area 704) 372-2370**

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CALENDAR FOR 1969

<p>JANUARY</p> <p>S M T W T F S</p> <p>1 2 3 4</p> <p>5 6 7 8 9 10 11</p> <p>12 13 14 15 16 17 18</p> <p>19 20 21 22 23 24 25</p> <p>26 27 28 29 30 31</p>	<p>APRIL</p> <p>S M T W T F S</p> <p>1 2 3 4 5</p> <p>6 7 8 9 10 11 12</p> <p>13 14 15 16 17 18 19</p> <p>20 21 22 23 24 25 26</p> <p>27 28 29 30</p>	<p>JULY</p> <p>S M T W T F S</p> <p>1 2 3 4 5</p> <p>6 7 8 9 10 11 12</p> <p>13 14 15 16 17 18 19</p> <p>20 21 22 23 24 25 26</p> <p>27 28 29 30 31</p>	<p>OCTOBER</p> <p>S M T W T F S</p> <p>1 2 3 4</p> <p>5 6 7 8 9 10 11</p> <p>12 13 14 15 16 17 18</p> <p>19 20 21 22 23 24 25</p> <p>26 27 28 29 30 31</p>
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<p>MARCH</p> <p>1</p> <p>2 3 4 5 6 7 8</p> <p>9 10 11 12 13 14 15</p> <p>16 17 18 19 20 21 22</p> <p>23 24 25 26 27 28 29</p> <p>30 31</p>	<p>JUNE</p> <p>1 2 3 4 5 6 7</p> <p>8 9 10 11 12 13 14</p> <p>15 16 17 18 19 20 21</p> <p>22 23 24 25 26 27 28</p> <p>29 30</p>	<p>SEPTEMBER</p> <p>1 2 3 4 5 6</p> <p>7 8 9 10 11 12 13</p> <p>14 15 16 17 18 19 20</p> <p>21 22 23 24 25 26 27</p> <p>28 29 30</p>	<p>DECEMBER</p> <p>1 2 3 4 5 6</p> <p>7 8 9 10 11 12 13</p> <p>14 15 16 17 18 19 20</p> <p>21 22 23 24 25 26 27</p> <p>28 29 30 31</p>

CALENDAR FOR 1970

<p>JANUARY</p> <p>S M T W T F S</p> <p>1 2 3</p> <p>4 5 6 7 8 9 10</p> <p>11 12 13 14 15 16 17</p> <p>18 19 20 21 22 23 24</p> <p>25 26 27 28 29 30 31</p>	<p>APRIL</p> <p>S M T W T F S</p> <p>1 2 3 4</p> <p>5 6 7 8 9 10 11</p> <p>12 13 14 15 16 17 18</p> <p>19 20 21 22 23 24 25</p> <p>26 27 28 29 30</p>	<p>JULY</p> <p>S M T W T F S</p> <p>1 2 3 4</p> <p>5 6 7 8 9 10 11</p> <p>12 13 14 15 16 17 18</p> <p>19 20 21 22 23 24 25</p> <p>26 27 28 29 30 31</p>	<p>OCTOBER</p> <p>S M T W T F S</p> <p>1 2 3</p> <p>4 5 6 7 8 9 10</p> <p>11 12 13 14 15 16 17</p> <p>18 19 20 21 22 23 24</p> <p>25 26 27 28 29 30 31</p>
<p>FEBRUARY</p> <p>1 2 3 4 5 6 7</p> <p>8 9 10 11 12 13 14</p> <p>15 16 17 18 19 20 21</p> <p>22 23 24 25 26 27 28</p>	<p>MAY</p> <p>1 2</p> <p>3 4 5 6 7 8 9</p> <p>10 11 12 13 14 15 16</p> <p>17 18 19 20 21 22 23</p> <p>24 25 26 27 28 29 30</p> <p>31</p>	<p>AUGUST</p> <p>1</p> <p>2 3 4 5 6 7 8</p> <p>9 10 11 12 13 14 15</p> <p>16 17 18 19 20 21 22</p> <p>23 24 25 26 27 28 29</p> <p>30 31</p>	<p>NOVEMBER</p> <p>1 2 3 4 5 6 7</p> <p>8 9 10 11 12 13 14</p> <p>15 16 17 18 19 20 21</p> <p>22 23 24 25 26 27 28</p> <p>29 30</p>
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## UNIVERSITY CALENDAR

### WINTER SESSION 1969-70

August 22-23	Faculty Retreat.
August 25-29	Freshman week activities. This includes physical examination, tests, and registration. All Freshman students should arrive on the campus August 25, by 8:00 A.M.
September 2	Registration of freshmen.
September 3	Registration of Upper Classmen.
September 4	Formal Opening.
September 8	Last day to enter for the Winter Semester. Registration for the Winter Semester will close at 12:00 noon.
September 15	Last day for making changes in program of studies.
September 25	English Proficiency Test.
October 9	Handwriting and Spelling Test.
October 16	Last day for dropping courses.
October 18	Students completing requirements for graduation at the close of the Winter Semester must file application for degrees in the Office of the Registrar on or before this date.
November 8	Homecoming—Johnson C. Smith University versus North Carolina College 1:30 P.M.—Memorial Stadium.
November 9	Homecoming Worship Service.
November 26	Thanksgiving Recess begins at 1:00 P.M.
November 27-30	Thanksgiving Recess.
December 7	Annual Christmas Program by the Music Department.
December 11-12	Reading Period.
December 15-19	Final Examinations.
December 20-January 7	The Christmas Recess.

**SPRING SEMESTER 1969-1970**

January 8	Registration of Juniors and Seniors.
January 9	Registration of Sophomores and Freshmen.
January 12	Opening of Classes
January 16	Last Day for making changes in program of studies.
January 17	Candidates for graduation at the close of the Spring Semester must file application in the Office of the Registrar.
February	Black History Week.
February 23	Last day for dropping courses.
February 24	Handwriting and Spelling Test.
March 1-5	Spiritual Emphasis Week.
March 28-April 5	Spring Recess.
April 6	Classes resume.
April 7	Founders' Day.
April 23	Honors Day.
May 4-5	Senior Reading Period.
May 5	Last day for classes.
May 6-8	Reading Period for non-Seniors.
May 6-9	Senior Examinations.
May 9-14	Spring Semester Examinations.
May 15-17	Commencement Activities
May 17	Commencement
June 1-July 9	Summer Session.
June 19	English Proficiency Test.



**FOUNDERS**

(In 1867)

Rev. S. C. Alexander — Rev. W. L. Miller

**FORMER PRESIDENTS**

**OF**

**JOHNSON C. SMITH UNIVERSITY**

Dr. Stephen Mattoon	-----	1870-1884
Dr. William A. Holliday	-----	1884-1885
Dr. Stephen Mattoon	-----	1885-1886
Dr. William F. Johnson	-----	1886-1891
Dr. Daniel Jackson Sanders	-----	1891-1907
Dr. Henry Lawrence McCrorey	-----	1907-1947
Dr. Hardy Liston, Sr.	-----	1947-1956
Dr. James Ward Seabrook (Acting President)	-----	1956-1957
Dr. Rufus Patterson Perry	-----	1957-1968

## BOARD OF TRUSTEES

James Egert Allen, A.B., A.M., LL.D. -----Chairman  
John Paul Lucas, Jr., A.B., M.S., M.A. -----Vice-Chairman and  
Chairman of Executive Committee  
J. W. Smith, Sr., A.B., B.D., D.D. -----Recording Secretary  
William H. Barnhardt, B. Engin. -----Chairman, Finance Committee

### CLASS OF 1970

James Egert Allen, A.B., A.M., LL.D. -----New York, New York  
Clem. E. Biniger, A.B., A.M., Th.D., D.D., L.H.D. ----Lauderdale, Florida  
Charles E. Bomar, A.B., D.D.S., Sc.D. -----South Orange, New Jersey  
James G. Cannon, A.B., M.B.A. -----Charlotte, North Carolina  
Arthur J. Clement, B.S. -----Charleston, South Carolina  
J. W. Smith, Sr., A.B., B.D., D.D. -----Charlotte, North Carolina  
J. Robert Wilson, A.B. -----Atlanta, Georgia

### CLASS OF 1971

Melvin L. Best, B.D., M.A., D.D. -----Pittsburgh, Pennsylvania  
David A. Cort, A.B., LL.D., J.D. -----Pittsburgh, Pennsylvania  
Lucius A. Haywood, D.D.S. -----Chicago, Illinois  
Henry A. Hill, B.S., Ph.D., Sc.D. -----Watertown, Massachusetts  
Francis I. Parker, B.A., B.L. -----Charlotte, North Carolina  
Emery L. Rann, B.S., M.S., M.D. -----Charlotte, North Carolina  
Robert A. Rundle, A.B. -----Pittsburgh, Pennsylvania  
J. Hervey Sherts, A.B. -----Pittsburgh, Pennsylvania

### CLASS OF 1972

William H. Barnhardt, B. Engin. -----Charlotte, North Carolina  
Charles W. Baulknight, B.S., M.S., Sc.D. -----Bethpage, New York  
Thomas M. Brown, A.B. -----Pittsburgh, Pennsylvania  
Vance Chavis, A.B., M.A. -----Greensboro, North Carolina  
Julian Clark, A.B. -----Charlotte, North Carolina  
C. A. Johnson, A.B., A.M., Ped.D. -----Columbia, South Carolina  
John Paul Lucas, A.B., M.S., M.A. -----Charlotte, North Carolina  
W. Hugh McEniry, A.B., M.A., Ph.D. -----Charlotte, North Carolina  
Walter L. Moser, M.A., S.T.M., Ph.D. -----Edgewood, Pennsylvania

---

\*J. W. Seabrook, A.B., A.M., Ped.D. -----Fayetteville, North Carolina  
\*Emeritus



## UNIVERSITY COUNCIL

Lionel H. Newsom, *Chairman*

Harvey R. Alexander, *Vice-Chairman*

Mrs. A. Eunicetine Adam

Murdies Arnold

Jack S. Brayboy

Ulysses S. Brooks

S. W. Byuarm

Riley R. Cabiness

Winson R. Coleman, Sr.

Henrietta Cooper

Mack L. Davidson

Dianne Ellis

Joseph A. Gaston

Mrs. Mable V. Hargraves

Calvin A. Hood

Bessie Meeks

Mrs. Mary H. Platt

Dr. Annie L. Richardson

Edwin Thompkins

Michael Turner

Juanita Yates

## OFFICERS OF ADMINISTRATION

Lionel H. Newsom, A.B., M.A., Ph.D. ----- *President*  
Ocie P. Harrison ----- *Administrative Secretary*  
Gloria A. Gist ----- *Secretary to the President*

### Academic Affairs

Jack S. Brayboy, B.S., M.A., Ed.D. ---- *Vice President for Academic Affairs*  
Winson R. Coleman, A.B., M.A., Ph.D. ----- *Academic Dean*  
Joan H. Johnson ----- *Secretary, Department of Education*  
Minnie G. Maxwell, B.S. ----- *Secretary to the Academic Dean*  
Dallie J. Reeder, A.B. ---- *Secretary to Vice President for Academic Affairs*  
Maxine F. Scott, B.A. ----- *Laboratory Assistant, English Department*  
Moses Sharpe, B.S. ----- *Assistant in Physical Education Department*

### Registrar

Mary Hunt Platt, B.S. ----- *Registrar*  
Claudia B. Duval ----- *Secretary, Office of the Registrar*  
Hazel Martin Holiness, B.S. ----- *Secretary, Office of the Registrar*  
Quince B. Sanders ----- *Secretary, Office of the Registrar*  
Shirley Powell Twitty, B.S.C. ----- *Assistant, Office of the Registrar*  
Stephanie Walton ----- *Secretary, Office of the Registrar*

### Student Affairs

Joseph A. Gaston, A.B., B.D., M.A. ----- *Dean of Students*  
John D. Chase, B.S., M.A. ----- *Dean of Men*  
Henry L. Marshall, A.B., M.A. ----- *Assistant Dean of Men*  
----- *and Off-Campus Counselor*  
Owena H. Davis, B.A., M.A. ----- *Dean of Women*  
Ben Alfred Beamer, A.B., M.S. ----- *Counselor and Testing Specialist*  
Lou P. Benson, A.B., M.Ed. ----- *Counselor*  
Hellena Tidwell ----- *Counselor for Off-Campus Women*  
Edna C. Alexander ----- *Secretary, Division of Student Affairs*  
Calvene E. Ross ----- *Secretary, Division of Student Affairs*  
Olethea Wilson Counts ----- *Residence Hall Director*  
Nellie J. Foust ----- *Residence Hall Director*  
Gottlieb Harvest ----- *Residence Hall Director*  
William M. Holmes, B.S. ----- *Residence Hall Director*  
Flossie H. Marshall, A.B. ----- *Residence Hall Director*  
Laney O. Bryan Ward ----- *Residence Hall Director*  
Bernice Spence ----- *Hostess, Dormitory*  
Henry L. Pinckney, B.S., B.D. ----- *Director of the University Union*  
Joyce Crisp, B.A. ----- *Program Director, University Memorial Union*  
Priscilla Thomas ----- *Secretary, University Union*  
Margaree Watkins ----- *Hostess, Dining Hall*  
Janie F. Harris, A.B. ----- *Residence Hall Director*



## LIBRARY

Theodus Lafayette Gunn, B.A., B.L.S. ....	<i>University Librarian</i>
Rose M. Alston, B.A. ....	<i>Assistant Librarian</i>
E. Gayle Bell, B.A. ....	<i>Secretary to the Librarian</i>
Mary C. Flowe, B.A., M.A. ....	<i>Assistant Librarian</i>
Barbara A. Gibbs, B.A. ....	<i>Assistant Librarian</i>
Annie C. Lee, B.S., M.A. (Part-time) ....	<i>Assistant Librarian</i>
Margie W. Lewis, B.A. ....	<i>Assistant Librarian</i>
Mary L. Magwood, B.A., M.S.L.S. ....	<i>Assistant Librarian</i>
Jean S. McDuffie, B.A., M.S.L.S. ....	<i>Assistant Librarian</i>
Mildred W. Sanders, A.B. ....	<i>Assistant Librarian</i>
Annie L. Tate, B.A. (Part-time) ....	<i>Assistant Librarian</i>
Ernest L. James, B.A. ....	<i>Assistant Librarian</i>
Laura S. Malone, B.A. ....	<i>Assistant in Theological Library</i>
Joan G. Waddy, B.A. ....	<i>Secretary, Seminary Library</i>

## Public Relations and Alumni Affairs

Moses S. Belton, B.S., B.D., M.A. ....	<i>Director of Public Relations</i>
L. A. Warner, B.S., M.A. ....	<i>Director of Alumni Affairs</i>
Curtis O. Peters, B.A. ....	<i>Assistant to Director of Public Relations and Alumni Affairs</i>
Ivestia H. Beckwith ....	<i>Secretary, Office of Public Relations</i>
Betty T. McDow, B.S. ....	<i>Secretary, Office of Alumni Affairs</i>

## Office of the Vice President for Financial Affairs

Harvey R. Alexander, B.S., M.S. ....	<i>Vice President for Financial Affairs</i>
Fleta M. Alexander ....	<i>Clerk-Typist</i>
Furness J. Armstead, B.S. ....	<i>Administrative Officer</i>
Thomas A. Boone, B.S., B.D. ....	<i>Accounting Clerk</i>
†Robert L. Campbell ....	<i>Superintendent of Buildings and Grounds</i>
Lessie T. Deavers ....	<i>Manager, University Post Office</i>
**Jacquelyn B. Dumas, B.A. ....	<i>Accounting Clerk</i>
**Leroy Kirksey, B.S., B.A. ....	<i>Personnel Officer</i>
Aurelia L. Law, B.S. ....	<i>Manager, University Book Store</i>
†Nathaniel H. Lipscomb, Sr., B.S. ....	<i>Chief Accountant</i>
Sara J. Stewart ....	<i>Accounting Clerk</i>
Lillie R. Taylor ....	<i>Cashier</i>
Ulysses S. Watkins ....	<i>Superintendent of Buildings and Grounds</i>

## Financial Aids and Placement Office

Harold B. Winston, B.A. ....	<i>Financial Aids and Placement Officer</i>
Florence Floyd ....	<i>Secretary, Financial Aid and Placement</i>

## Community Services Office

William E. Bluford, A.B., M.A. ....	<i>Director Community Services</i>
Bettye G. Culp ....	<i>Secretary, Office of Community Service</i>

## Health Services

Julia Carothers, R.N. ....	<i>University Nurse</i>
*Bernice McKee, R.N. ....	<i>University Nurse</i>
*Kathryn R. Pinckney, R.N. ....	<i>University Nurse</i>
Gordon M. Wilkins, M.D. ....	<i>University Physician</i>
Magnolia Worsley, R.N. ....	<i>University Nurse</i>
*Randolph M. Wyche, M.D. ....	<i>University Physician</i>

Theological Seminary

Edwin Thompkins, B.S., S.T.B., A.M., S.T.M., Ed.M., Ph.D. -----Dean  
\*John L. Pharr, B.A., B.D., S.T.M. ----Director, Promotion and Recruiting  
Odessa Roseboro, B.S.C. -----Secretary to the Dean of the Seminary

\*First Semester  
\*\*Second Semester  
†Summer, 1969

CEAP STAFF, 1968-69

Name	Area	Appointment
Dr. Siegmar Muehl	Coordinator	Full-time
Mrs. Jean Bohn	Reading	Half-time Assistant
Mrs. Ellie Bollin	Reading	Full-time
Mrs. Judy Bush	Mathematics	Half-time Assistant
Mr. Frank Graham	Counselor	Full-time
Mrs. Mattie Grigsby	Mathematics	Full-time
Mrs. Mary Harper	English	Full-time
Mr. William Hopkins	Counselor	Full-time
Miss Sandra Hoyle	Secretary	Half-time
Miss Elizabeth McClinton	English	Full-time
Mrs. Lois Muehl	Reading	Full-time
Mrs. Lena Sammons	Speech	Full-time

THE FACULTY

COLLEGE OF LIBERAL ARTS

(Dates immediately following positions indicate when persons were appointed to the faculty of the University)

Lionel H. Newsom, B.A., Lincoln University, Missouri; M. A., University of Michigan; Ph.D., Washington University. President (Jan. 1969)

Rufus Patterson Perry, B.A., Johnson C. Smith University; M.S., Ph.D., University of Iowa; LL.D., Johnson C. Smith University. President (1957)

Winson R. Coleman, A.B., Penn College; A.M., Haverford College; Ph.D., University of Chicago. Academic Dean and Professor of Philosophy (1929)

A. Eunicetine Adam, B.A., Fisk University; Diploma, Alliance Francaise, Paris, France; M.A., Columbia University. Associate Professor of French (1941)

Joseph L. Alston, B.S., North Carolina College; M.S., North Carolina College. Tennis Coach and Instructor in Physical Education (1966)

Hazel Peace Amos, B.A., Virginia State College; M.Lit., University of Pittsburgh. Instructor in English (1964)

Nigel M. Ayton, A.B., Howard University; M.Ed., University of North Carolina; Certificate, University of Paris. Assistant Professor of French and Spanish (1962)



- Kathleen M. Bartlett, B.S., University of Leeds; M.S., University of Leeds.  
*Instructor in Earth Science & Geology* (1966)
- Ernestine M. H. Baylor, B.A., B.L.S., North Carolina College; M.Ed., Boston University.  
*Instructor in Speech* (1955)
- Moses S. Belton, B.S., B.D., Johnson C. Smith University; M.A., Columbia University.  
*Director of Public Relations* (1942)
- Lou P. Benson, A.B., Johnson C. Smith University; M.Ed., University of North Carolina.  
*Counselor* (1967)
- Sara Jane Benson, B.A., Ohio State University; M.A., Cornell University; M.S.W., Ohio State University.  
*Woodrow Wilson Teaching Intern—English* (1966)
- Henry B. Blue, A.B., Johnson C. Smith University; M.A., University of North Carolina at Chapel Hill. *Assistant Professor of English* (1958)
- Lillie Watkins Blue, A.B., Atlanta University; M.S., Columbia University.  
*Instructor in Mathematics* (1959)
- William E. Bluford, A.B., Virginia Union University; M.A., University of Michigan. *Associate Professor of History and Political Science* (1945)
- Ralph P. Bohn, B.S., Northwestern University; B.D., Princeton & Union Seminaries; Ph.D., University of Edinburgh.  
*Professor of Philosophy and Religion* (1966)
- George Felix Boyd, B.A., Virginia Union University; M.S., University of Oregon; Ph.D., University of Maine.  
*Assistant Professor of Psychology* (1965)
- Jack S. Brayboy, B.S., Johnson C. Smith University; M.S., University of Pennsylvania; Ed.D., University of Pennsylvania.  
*Professor of Physical Education*  
*Vice-President for Academic Affairs*
- U. S. Brooks, B.S., Howard University; M.S., University of Chicago; Ph.D., University of Chicago.  
*Professor of Chemistry and Chairman of the Division of Science and Mathematics* (1931)
- Johnnie M. Bullock, B.S., Howard University; M.S., Atlanta University.  
*Instructor in Mathematics*
- DeGrandval Burke, B.S., B.D., Johnson C. Smith University; M.A., McCormick Theological Seminary.  
*Instructor in Religious Education* (1962)
- Charlie Lucille Butler, B.A., Fisk University; M.A., Radcliffe College.  
*Assistant Professor of Music* (1963)
- Samuel W. Byuarm, B.A., Langston University; M.A., State University of Iowa; Ph.D., University of Illinois.  
*Professor of Sociology and Chairman of the Division of Social Sciences* (1950)

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\*Part time.

Riley R. Cabiness, A.B., Johnson C. Smith University; M.A., Columbia University; Ph.D., New York University.

*Associate Professor of Education* (1967)

Pravat K. Choudbury, B. Com., Bihar University, India; B.L., Ranchi University, India; M.B.A., Atlanta University.

*Instructor in Economics* (1966)

Bettye J. Coleman, A.B., Talladega College; M.A., University of Iowa.

*Instructor in Music* (1967)

Winson R. Coleman, Jr., B.S., Morehouse College; M.S., Atlanta University.

*Instructor in Mathematics* (1965)

Gloria McLurkin Cooper, B.S., Bennett College; M.S., North Carolina College at Durham.

*Instructor in Science* (1962)

Charles R. Cox, B.S., Claflin College; M.S., West Virginia University.

*Swimming Coach and Instructor of Physical Education* (1964)

Gary B. Cox, B.S., University of Oregon.

*Assistant Professor of Psychology* (1967)

Jean C. Cozart, B.A., Howard University; M.A., Columbia University.

*Instructor in English* (1964)

Marvin W. Davenport, B.A., North Carolina College; M.Mus., University of Michigan.

*Instructor in Music and Band Director* (1966)

Mack L. Davidson, A.B., Johnson C. Smith University; M.B.A., Atlanta University.

*Assistant Professor of Economics* (1958)

Lloyd H. Davis, A.B., St. Augustine's College; Ed.M., Boston University.

*Associate Professor of Education* (1951)

Owena Hunter Davis, A.B., Fisk University; M.A., North Carolina College.

*Dean of Women and Instructor in English* (1956)

Ossibelle B. Dixon, A.B., Shaw University; M.S., North Carolina College.

*Instructor in Physical Education* (1957)

Foster T. Drakeford, B.S., Livingstone College; M.S., Howard University.

*Assistant Professor of Physics* (1951)

Noyce W. K. Dube, B.A., Ohio Wesleyan University; M.A., University of California at Los Angeles.

*Instructor of African Studies* (1968)

Mary C. Flowe, B.A., Johnson C. Smith University; M.A., New York University.

*Assistant Librarian* (1961)

William C. Flythe, B.S., Johnson S. Smith University; Ph.D., Howard University.

*Assistant Professor of Chemistry* (1969)

Joan Daughtry Forney, B.S., Johnson C. Smith University; M.Ed., Boston University.

*Instructor of Elementary Education* (1946)



\*Sidney L. Freeman, B.S., University of Wisconsin; M.A., Bowling Green State University; Ph.D., Cornell University.

*Assistant Professor of English* (1958)

Joseph A. Gaston, B.A., B.D., Johnson C. Smith University; M.A., University of Denver

*Dean of Students* (1956)

Boyd J. Gatherright, B.S., Knoxville College; M.S., State University of Iowa.

*Associate Professor of Mathematics* (1948)

Kurt R. Glaubitz, B.M., Yale School of Music; M.A., Teachers College, Columbia University.

*Assistant Professor in Music* (1967)

\*Renee K. Glaubitz, B.M., Yale School of Music; Diploma, Hartford School of Music.

*Assistant Professor of Music* (1962)

Edythe R. Grady, B.S., in Business, B.S. in Music and Organ, Hampton Institute; S.M.M. Union Theological Seminary; Professional Diploma, Columbia University.

*Assistant Professor of Music and University Organist* (1952)

Theodus Lafayette Gunn, B.A., Johnson C. Smith University; B.L.S., Hampton Institute.

*University Librarian* (1930)

Jacqueline B. Hairston, B.M.Ed., Howard University; M.A., Teachers College, Columbia University.

*Assistant Professor of Music* (1967)

\*Esther P. Hill, B.A., M.A., Columbia University.

*Instructor in Art* (1959)

\*Isaac Heard, B. S., Hampton Institute.

*Instructor, Engineering Drawing* (1966)

Norman A. Hudkins, B.A., Morris Harvey College; M.A., Middlebury College, Middlebury, Vt.

*Instructor in German* (1966)

Ione G. Jones, A.B., Johnson C. Smith University; M.A., University of Wisconsin.

*Instructor in English* (1967)

Christopher W. Kemp., B.S., Hampton Institute; Mus.M., University of Michigan.

*Professor of Music and Head of Department of Music* (1947)

Stephen Klepka, B.A., A.M., Ph.D., Washington University.

*Professor of History* (1954)

Stephen K. Kwasikpui, A.B., Johnson C. Smith University; M.A., New York University.

*Assistant Professor of Economics* (1963)

James H. Lash, B.S., Southern Illinois University; M.S., Southern Illinois University.

*Instructor in Speech* (1966)

James Roland Law, A.B., Lincoln University; A.M., New York University; Ph.D., Duke University.

*Professor of Psychology and Chairman of the Division of Education and Psychology* (1949)

Bessie H. Ledbetter, A.B., Benedict College; M.A., Northwestern University.  
*Instructor in English* (1967)

\*Barbara M. Lovell, B.A., Women's College, Greensboro, N. C.; M.A.,  
Vanderbilt University. *Assistant Professor of English* (1962)

Mary L. Magwood, B.A., Johnson C. Smith University; M.S.L.S., Atlanta  
University. *Assistant Librarian* (1967)

William McCloud, B.S., M.S., North Carolina College at Durham.  
*Instructor of Biology* (1968)

William P. McCullough, B.S., Johnson C. Smith University; M.S., Univer-  
sity of Indiana.  
*Basketball Coach and Instructor in Physical Education* (1959)

Jean S. McDuffie, B.A., Johnson C. Smith University; M.S.L.S., Atlanta  
University. *Assistant Librarian* (1967)

Eddie C. McGirt, B.S., Johnson C. Smith University; M.A., Columbia  
University.  
*Director of Athletics, Head Football Coach and Associate Professor  
of Physical Education* (1958)

Edmund T. Moore, Jr., B.S., Johnson C. Smith University; M.A., Trinity  
College.  
*Assistant Professor of Mathematics and Computer Science* (1968)

Lois B. Muehl, A.B., Oberlin College; M.A., University of Iowa.  
*Reading Specialist (CEAP)\** (1967)

Siegmar Muehl, M.A., University of Chicago; M.S., State University of New  
York (Geneseo); Ph.D., University of Iowa.  
*Coordinator and Director of College  
Education Achievement Project* (1967)

Edward Willis Milner, B.S., Davidson College; B.D., Columbia Theological  
Seminary; M.S., Divinity School, University of Chicago.  
*Associate Professor of English and Humanities* (1965)

K. Govindan Nambiar, B.V.S., University of Madras; M.S., University of  
Tennessee; Ph.D., Texas A & M University.  
*Associate Professor of Biology* (1968)

Vietta E. Neal, A.B., Texas College; M.A., University of Michigan.  
*Associate Professor of Chemistry* (1947)

Woodrow W. Nichols, Jr., A.B., North Carolina College; M.A., Michigan  
State University. *Instructor in Education* (1967)

Henrietta T. Norris, A.B., Jackson College; M.A., Atlanta University.  
*Assistant Professor of Elementary Education* (1949)

Paul F. Orlov, M.D., Imperial Nicolas University, Russia.  
*Assistant Professor of Russian and Spanish* (1963)

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\* Part time



Inez Moore Parker, A.B., Virginia Union University; M.A., University of Michigan.  
*Head of Department of English*  
*Associate Professor of English (1944)*

Appavoo Perumal, B.S., M.S., Ph.D., Annamalai University.  
*Assistant Professor of Physics (1968)*

\*\*Rufus Grier Pettis, B.S., Benedict College; M.S., Atlanta University.  
*Assistant Professor of Mathematics (1965)*

Manuel P. Platas, B.S., University of Havana; Doctor in Pedagogy.  
*Instructor in Spanish (1965)*

Alfonso S. Powe, B.S., Johnson C. Smith University; B.D., Johnson C. Smith University; Ph.D., New York University.  
*Professor of Sociology and Religion (1960)*

Kenneth S. Powell, B.S., Johnson C. Smith University; M.A., New York University.  
*Track Coach and Assistant Professor of Physical Education (1960)*

Maria P. Prado, B.E., Escuela Normal pasa Maestras de la Habana, Havana, Cuba; Ped.D., University of Havana.  
*Instructor in Spanish (1967)*

Ennie Mae Pridgen, B.S., Fayetteville State Teachers College; M.A., New York University.  
*Assistant Professor of Reading (1962)*

Allareddy C. Reddy, B.A., University of Madras; M.A., Atlanta University.  
*Instructor of Economics (1968)*

Annie L. Richardson, B.S., Johnson C. Smith University; M.S., University of Illinois; Ph.D., University of Illinois.  
*Professor and Head of Department of Biology (1967)*

\*Ida Marilyn Richmond, B.A., Johnson C. Smith University; M.Ed., University of North Carolina, Chapel Hill.  
*Instructor in Education (1966)*

Coleman D. Rippy, A.B., Paine College; M.A., Columbia University.  
*Assistant Professor of Sociology (1959)*

Huai C. Sun, B.S., National Normal University; M.A., Colorado State College of Education; D.Ed., University of Colorado.  
*Professor of Education (1965)*

Joseph E. Thompson, B.A., Johnson C. Smith University; B.D., Union Theological Seminary; M.A., Ed.D., New York University.  
*Professor of Religious Education (1966)*

Violet Garrett Washington, A.B., Talladega College; M.S., Atlanta University.  
*Instructor in Biology (1956)*

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\*Part time.

\*\*On leave 1967-1968.

- Kelly R. White, A.B., Claflin College; M.A.T., Indiana University.  
*Assistant Professor of French* (1965)
- Vivian L. Williams, A.B., Allen University; M.A., University of Michigan.  
*Assistant Professor of Education* (1967)
- Elsie E. Woodard, A.B., Bennett College; M.A., University of Michigan.  
*Assistant Professor of English* (1947)
- Raymond Worsley, B.A., B.D., Johnson C. Smith University; M.A., Union  
Theological Seminary—Columbia University.  
*Assistant Professor of Religious Education* (1957)
- Hampton Wright, B.S., Benedict College; M.S., Howard University.  
*Assistant Professor of Mathematics* (1958)
- \*Lawson M. Wright, B.A., Wake Forest College; Nieman Fellow, Harvard  
University, 1956-57. *Instructor in Journalism* (1959)

### THEOLOGICAL SEMINARY

- Rufus Patterson Perry, B.A., Johnson C. Smith University; M.S., Ph.D.,  
University of Iowa; LL.D., Johnson C. Smith University.  
*President-Treasurer* (1957)
- Arthur Henry George, A.B., S.T.B., Johnson C. Smith University; S.T.M.,  
Western Theological Seminary; D.D., Johnson C. Smith University.  
*Dean Emeritus and Professor of Practical Theology* (1934)
- Edwin Thompkins, B.S., Johnson C. Smith University; S.T.B.,; A.M., Lin-  
coln University, Pennsylvania; S.T.M., Western Theological Seminary;  
Ed.M., University of Pittsburgh; Ph.D., University of Pittsburgh.  
*Dean and Professor of Church History* (1943)
- Herman L. Counts, A.B., B.D., Johnson C. Smith University; A.M., Mc-  
Cormick Theological Seminary.  
*Professor of Practical Theology* (1946)
- Calvin A. Hood, A.B., B.D., Johnson C. Smith University; A.M., Boston  
University.  
*Associate Professor of Biblical Literature (Old Testament)* (1954)
- \*Gerard J. Kuiper, B.A., The College of Idaho; B.D., San Francisco Theo-  
logical Seminary; S.T.M., San Francisco Theological Seminary; Ph.D.,  
St. Andrews University, St. Andrews, Fife, Scotland.  
*Professor of New Testament Literature* (1963)
- Chelkuzil T. Thomas, B.D., Leonard College and Serampore College (India);  
M.A., Calcutta University (India); Ph.D., Kennedy School of Mission,  
Hartford Seminary Foundation.  
*Professor of Biblical Literature* (1960)
- \*John L. Pharr, B.A., B.D., Johnson C. Smith University; M.A., Union  
Theological Seminary, New York. *Promotion Officer* (1964)

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\*First semester.



## GENERAL INFORMATION

### HISTORY

In 1867 Reverend S. C. Alexander and Reverend W. L. Miller saw the need of establishing an institution in this section of the South and began devising such plans as would secure the desired results. On April 7, 1867, at a meeting of the Catawba Presbytery in the old Charlotte Presbyterian Church, formerly located at the corner of D and Fourth Streets, Charlotte, North Carolina, the movement for the school was formally inaugurated and the Reverends S. C. Alexander and W. L. Miller were elected as teachers.

Information concerning the establishing of the school was brought to the attention of Mrs. Mary D. Biddle, an excellent Churchwoman of Philadelphia, Pennsylvania, who through appeals on behalf of the work in one of the Church papers pledged \$1,400. In appreciation of this first and generous contribution, friends of the project requested of Mrs. Biddle the privilege of naming the newly established school after her late husband, Major Henry Biddle. The request being granted, the school was named "The Biddle Memorial Institute" and later was chartered by the State Legislature under that name. The first eight acres of land used as the site for the school were donated by Colonel W. R. Myers, a wealthy citizen of Charlotte, North Carolina. From 1867 to 1876 the school was known as the Biddle Memorial Institute. In 1876 the charter was changed by the Legislature of North Carolina and the name of the school became Biddle University. The institution operated under this name until 1923.

During the season of 1921-22 the late Mrs. Jane Berry Smith, of Pittsburgh, Pennsylvania, gave funds for the erection of a Theological Dormitory, a Science Hall, a Teacher's Cottage, and a Memorial Gate at Biddle University. In addition she made provision for a handsome endowment for the institution in memory of her late husband, Mr. Johnson C. Smith. In recognition of these generous benefactions the Board of Trustees voted to change the name of the institution to Johnson C. Smith University. The charter of the school accordingly was so amended, March 1, 1923, by the Legislature of the State of North Carolina. From 1923 until her death in October 1929, Mrs. Smith gave funds for the erection of five more buildings, including a campus church.

In 1924 the gifts of Mrs. Jane Berry Smith were augmented by a gift from the late Mr. James B. Duke, of Charlotte, North Carolina.

In 1932 the institution was made co-educational by an amendment to the charter, and until 1941 women were admitted to the Senior College division only. However, beginning with the school year 1941-1942 women were admitted to the freshman class.

The present site contains seventy-five acres of land, 21 buildings, and 17 faculty residences.

### PURPOSE AND OBJECTIVES

Johnson C. Smith University is an independent, privately endowed institution of higher learning, composed of a college of liberal arts and theological seminary. Its founders envisioned an institution of training "for



the ministry, for catechists and for teachers." The original purposes, however, have long been modified to include the education of all qualified students in a variety of fields.

Elements of its original purposes remain central, however, in the life of the institution. Every student at Smith pursues his education within a community basically committed to the Christian Ideal and specific training for the ministry is, of course, provided by the Theological Seminary. In addition, the history of Johnson C. Smith University as an institution designed to serve a group whose education had often been limited is reflected in its firm intention to be ever sensitive to the potentials among educationally and culturally restricted students. While admitting some such students, Johnson C. Smith proposes to graduate only those capable of measuring up to quality standards as established for graduates from reputable colleges and universities throughout America.

It is the chief purpose, however, of Johnson C. Smith University to strive diligently to provide an environment in which men and women may realize to a high degree their intellectual, social, spiritual, emotional, and physical capacities. To this end, the University provides special training for the educationally disadvantaged and advanced programs for the intellectually gifted; it regards students, faculty members, administrators, staff workers, including maintenance personnel, along with the physical plant and equipment as integral parts of its total program for the achievement of an enriching and challenging education situation.

Although it is convenient to speak of fostering the growth of its students in several areas—intellectual, social, spiritual, emotional and physical—the growth which Johnson C. Smith University seeks should in no way be viewed as compartmentalized. It is the hope of the University that good numbers of those who come under its influence will achieve growth with human wholeness;—the kind of educational growth which will enable students and graduates not only to live richer and more abundant lives pursuing a continuing self-education, but also to contribute significantly to the betterment of mankind.

A broad liberal arts program which encourages free inquiry within a rigorous academic discipline, a rich variety of social, cultural and intellectual activities, the opportunity for interaction with fellow students and faculty members of differing nationalities, localities, and interests—these elements make up Johnson C. Smith's plan for such an education.

It is intended that this purpose shall encompass the following specifically stated objectives for the liberal arts college:

### **Intellectual Growth**

1. To provide an intellectual environment conducive to the development of critical and objective thinking, independent judgments and effective expression of ideas.

2. To equip the student with basic skills necessary for effective communication with others. To attain this objective, the student is required to read well, write and talk effectively, and achieve some proficiency in the use of numbers.

3. To assist students in selecting a vocational area in which they have

real interest and aptitude and to offer them educational preparation that will be useful vocationally.

4. To provide opportunities and encouragement for students, as well as faculty members, to engage in research.

5. To insure that every student encounters the full range of knowledge and interest which is the hallmark of the liberally educated mind.

### **Social Growth**

1. To develop an awareness in students of their responsibilities as citizens of a community, state, nation, and the world.

2. To help develop within students a sensitivity to individual and social needs, and to stimulate a mature standard of social responsibilities and behavior appropriate to a free individual in a free society.

### **Spiritual Growth**

To help students enrich their lives spiritually by achieving a balance between a constant examination of their spiritual values and a meaningful respect for commitment.

### **Emotional Growth**

1. To assist students in understanding themselves and others, in attacking problems realistically, in living productively and zestfully, and in appropriately expressing honestly experienced emotions.

2. To sharpen the aesthetic sensitivities of students so that they appreciate more deeply and express themselves more vitally within the recognized art forms and in everyday affairs.

### **Physical Growth**

1. To provide students educational experiences which will enable and encourage them to practice good personal health and safety habits and contribute to solving community health problems.

2. To provide activities which will afford all students opportunities to develop through participation, physical fitness, skills in a wide variety of sports, desirable social habits and attitudes, and an affection for wholesome play and recreation.

3. To provide a variety of activities which will have possibilities for meeting the present and future recreational needs.

## **ACCREDITATION**

Johnson C. Smith University is a fully accredited member of the Southern Association of Colleges and Schools. It is also a member of the Association of American Colleges, American Council on Education, American Association of Colleges for Teacher Education, Council on Theological Education of the United Presbyterian Church U.S.A., Council of Protestant Colleges and Universities, the Presbyterian College Union, North Carolina Association of Colleges and Universities, the College Entrance Examination Board and the United Negro College Fund. It is an associate member American Association of Theological Schools. It is approved by the American Medical Association and the American Association of University Women.



## LOCATION

Johnson C. Smith University is located in the City of Charlotte, Mecklenburg County, North Carolina. The campus is situated in the western part of the city and may be reached by street bus or taxi from the railroad or bus station. Charlotte stands at the radiating point of several railroad and bus lines.

## BUILDINGS

BIDDLE MEMORIAL HALL, the main building on the campus, contains the administrative offices of the university, recitation and lecture rooms, student health center, and lounges for faculty and students. The building consists of five stories with a tower which contains the chime clock. It is located on the highest knoll of the campus and may be seen from almost any section of the city.

CARTER HALL, built in 1896, is a dormitory for college men. The original building was a gift of Miss Laura Carter of Geneva, New York. The building was completely modernized on the inside, leaving the outside walls to retain the original architecture, in 1955. It houses 106 students with a lounge, recreation area, and living quarters for the Dean of Men.

JOHNSON C. SMITH MEMORIAL THEOLOGICAL DORMITORY, which stands on the eastern side of the campus, supplies rooms for about 62 students. It was named for the late Mr. Johnson C. Smith of Pittsburgh, Pennsylvania.

BERRY HALL, a dormitory for men, stands at the northern end of the campus. It is three stories in height above a basement story. It has a reception parlor and houses about 75 students. This dormitory was given in memory of the late Mrs. Smith's parents.

THE JAMES B. DUKE MEMORIAL HALL is the first dormitory to be constructed on the campus for the housing of women students. It is located across Beatties Ford Road from the main campus at the southwest end of the University campus. The building is Georgian in style with exterior wall of brick and limestone trim. It is three stories high above the basement with an elevator shaft. In addition to ideal living quarters for approximately 110 students, it provides directors' office, beauty parlor, an infirmary, laundry and trunk room.

CARNEGIE HALL, which housed the library from 1911 to 1968, is now occupied by the Offices of the Dean of Students, Dean of Men, and Dean of Women, Counseling and Testing Services, and Placement and Financial Aids.

THE JANE M. SMITH MEMORIAL CHURCH, located near the entrance to the campus, is a gift of the late Mrs. Jane Berry Smith. This structure, built of colonial brick with limestone trimming, has a front supported by limestone columns. The structure is one of the most beautiful of its kind to be found at any college in America.

SMITH COTTAGE, originally built as the winter home for Mrs. Johnson C. Smith, now houses the offices of Public Relations and Alumni Affairs.



THE HENRY LAWRENCE MCCROREY THEOLOGICAL BUILDING, dedicated on November 12, 1955, is the administration building for the School of Theology. It was erected from funds raised by alumni, churches in the Catawba, Atlantic, Blue Ridge and Canadian Synods, local friends, and the Building Funds Campaign of the Presbyterian Church, U.S.A. It contains three stories, including eight classrooms, offices for the Dean and the faculty members, a library, an assembly room, a room for meditation, the office of the Field Representative of Catawba Synod, a reception room, and a stack room. It accommodates all classes in the School of Theology and the college classes in Religious Education.

THE CENTRAL HEATING PLANT was dedicated on April 7, 1953. It replaces individual heating units in the several campus buildings and is capable of furnishing heat and hot water for all the buildings on the campus together with additional buildings planned for the near future.

THE HARTLEY WOODS GYMNASIUM, a gift of the late Mrs. Jane Berry Smith, is situated at the northern end of the University Quadrangle. It is a two-story brick building.

The new HARTLEY WOODS GYMNASIUM was completed in 1961. It is ideally situated on a spacious plot adjacent to a wooded area of the campus and well away from other campus buildings. The gymnasium is a split-level brick and steel structure with the main playing floor, seating capacity of 2500, two lobbies, and accessory equipment and storage rooms on the upper level. On the lower level are five instructors' offices, two classrooms, the main equipment and storage rooms and the main physical education locker and towel rooms.

A glass enclosed corridor connects the *Pool Building* with the lower level of the gymnasium. The south wall of the building is of fixed glass with sliding glass doors that open onto a patio which extends the length of the building. The swimming pool is seventy-five feet long and forty-two feet wide meeting indoor Olympic regulations. The depth of the pool runs from three feet to ten feet. The pool building also contains the office of the swimming instructor, toilet facilities, and beneath the pool deck, a corridor that encircles the pool wall and runs to the mechanical equipment room.

LISTON HALL, dedicated on April 7, 1963, is a dormitory for women. Of modern design, the building will accommodate 152 students. It has two parlors, two apartments for dormitory directors, and other facilities adequate for the convenience of young ladies. The building was named in memory of Dr. Hardy Liston who served as president of the University from 1947 until his death in 1956.

THE UNIVERSITY MEMORIAL UNION, dedicated on May 30, 1965, is a beautiful three story building which includes dining hall, conference rooms, faculty and student lounges, book store, post office and four guest rooms.

THE JAMES B. DUKE MEMORIAL LIBRARY, near the center of the campus, houses more than 200,000 volumes and will seat 400 students. In this modern building on the second floor there are two conference rooms, the Piedmont

room and the Carolina room, staff lounge, private study carrels for teachers, and 175 study carrels for students. On the first floor are the reference room, periodical reading room, technical services room, and the Curriculum Library.

The west wing of the building houses the Audio-Visual Center with two class rooms for lectures and viewing. All equipment is stored in the equipment storage room.

The building was completed in the summer of 1967.

MYERS HALL, completed in 1967, for men, accommodates 122 students. A modern four story structure, the building has on the first floor an apartment for the director, two suites for counselors, a lounge, a TV-snack room and laundry facilities.

SANDERS HALL, built in 1967 for women, accommodates 120 students. The four story building has on the first floor two apartments for directors, a snack bar, a grooming room and laundry facilities.

THE NEW SCIENCE CENTER is a two million dollar complex, composed of a new three story structure connected to the completely renovated George E. Davis Science Hall. Fully equipped for teaching and research, the Center has classrooms, offices and laboratories, and facilities for experimental work in chemistry, the life sciences, mathematics, physics, earth science, psychology, computer science and engineering sciences.

## PUBLICATIONS

*The Quarterly Review of Higher Education Among Negroes*, edited with the co-operation of the faculty.

*The Johnson C. Smith University Bulletin*, including *Catalogue Number*, *Summer School Bulletin* and *Student Manual*.

*The Newsletter*, published six times during the year in February, April, June, August, October and December, by the Office of Public Relations.

*The University Student*, a college paper published monthly during the school year by the students.

A Student Yearbook, known as *The Bull*, is published each year by the students of the University.

*The Student Handbook*, published by the Office of the Dean of Students as a guide to student life at the University.



## ADMISSIONS

Admission to the college is generally limited to recommended graduates of accredited secondary schools who rank in the upper half of their class and have a College Board (SAT) total of at least 750.

An applicant who does not meet these standards for admission to the regular freshman class but who is recommended by his counselor as having the ability to succeed in college, may be given further individual consideration. The Admissions Committee, after reviewing the total record of such an applicant, may decide (1) to admit him to the regular freshman class but require him to take such remedial courses as determined by placement tests, or (2) to require him to enroll in a full-time compensatory program for one or both semesters of his first year.

Johnson C. Smith University will accept a limited number of academically high risk students. Generally, however, applicants graduating in the fourth quarter of their class with a total SAT score less than 550 will not be considered for admission.

Course hours earned in remedial and compensatory courses are in addition to the 128 semester hours required to graduate.

### BASIS FOR SELECTION:

In reviewing credentials presented, the decision of admittance is based on the following:

1. Secondary school record.
2. Level of performance on the Scholastic Aptitude Test of the College Entrance Examination Board.
3. Recommendations of school principal or counselor, homeroom teacher, and persons who are willing and qualified to attest to applicant's character and personal qualities.
4. Health Record.

### FORMAL APPLICATION:

Every candidate for admission must make formal application to the Registrar, Johnson C. Smith University, Charlotte, N. C. 28208. An application blank furnished by the Registrar upon request, should be sent with the pre-entrance medical record, a recent photograph, and the application fee of \$25.00 (check or money order made payable to Johnson C. Smith University). THIS FEE IS NOT REFUNDABLE.

Applicants for admission in September should have all credentials on file not later than May 15\*. Applicants for admission in the second semester should have all credentials on file not later than December 1.

\*The college will write for a transcript of credits and for recommendations.



**ACCEPTANCE NOTICE:**

If the evidence secured indicates that the applicant appears well qualified to enter Johnson C. Smith University, a "Permit to Register" will be sent. Only persons who have received their "Permit to Register" will be permitted to register for courses.

Applicants for admission may arrange to visit the college. This visit, however, is not a requirement for acceptance. Appointments for such visits should be made in advance.

**ACADEMIC PREPARATION FOR COLLEGE:**

Applicants for admission to the freshman class must present the following units of secondary work, including the 8 units listed below: English (4 units), Mathematics (2 units), History (2 units), or Science (2 units), or Foreign Language (2 units). Electives (7 units).

Students are not accepted in the freshman class with conditions.

No subject will be accepted for admission to college that is not counted for graduation by the high school.

**THE COLLEGE EDUCATION ACHIEVEMENT PROJECT**  
(Compensatory Program)

This is a compensatory program designed to help high school graduates judged to have ability and interest in college work but whose preparation is weak.

CEAP students are enrolled as special freshmen. Course work is done under the guidance of the CEAP staff. This staff includes English, reading, speech, math teachers, two guidance counselors, and tutors.

The major emphasis in the program is on upgrading basic language skills: reading, writing, speaking, and listening.

A student may earn up to 9 hours of college credit in CEAP courses. To earn this credit he must pass his CEAP courses. The standards for passing are set by the college. Some students will need to stay in CEAP classes for two semesters in all courses of work toward raising their skills to college level. Some will pass one or two courses at the end of the first semester.

A very few will pass all CEAP courses at the end of one semester. Students passing CEAP courses are free to enroll in regular college courses.

CEAP students take regular classes in gym and swimming. They may also sign up for band and chorus credits. Students with special talents and interests are occasionally allowed to sign up for a regular course in this area.

Except for inter-collegiate athletics, CEAP students may participate in all campus extra curricular activities normally open to freshmen. CEAP students are governed by the same rules and regulations that apply to other students at the college.

Financial assistance is available on a need basis. In some instances students may qualify for full support, including tuition, books, and room and board. A financial statement is required at the time you apply to the program.

Since CEAP students are enrolled as freshmen at Johnson C. Smith, you make application directly to the University at the following address:

Office of Admissions  
Johnson C. Smith University  
Charlotte, North Carolina 28208

In your letter state that you are interested in enrolling in CEAP.

CEAP will have about 100 openings for new students in September and a limited number of openings in January.

It is wise to make application as early as possible.

If you have further questions about CEAP, write to:

CEAP Coordinator  
Johnson C. Smith University  
Charlotte, North Carolina 28208

## FINANCIAL AID

Students desiring scholarship or loan assistance should indicate their need when applying. Further details regarding financial aids may be found in section for Financial Aid.

## TEST REQUIREMENTS

Every applicant for admission to the Freshman Class is required to take the Scholastic Aptitude Test of the College Entrance Examination Board and have his scores sent to Johnson C. Smith University as a part of the application for admission.

During the period from November through July of each year, there will be six administrations of the College Board Test at centers available to prospective applicants. Students wishing to make application to take the test should consult their principals or guidance counselors as to the procedure of registering to take the test, or write directly to the College Entrance Examination Board, Box 592, Princeton, N. J., or Box 1025, Berkeley 1, California, for the Bulletin of Information, which includes application forms and is available without charge. The bulletin lists test centers and gives complete information concerning the test.

SINCE NO APPLICATION FOR ADMISSION TO THE COLLEGE CAN BE CONSIDERED WITHOUT THE ACCOMPANYING TEST SCORES, AND BECAUSE OF DEADLINES FOR FILING APPLICATION TO TAKE THE COLLEGE BOARD TESTS, THE STUDENT MUST MAKE ARRANGEMENTS WELL IN ADVANCE OF THE TESTING DATE SO THAT HIS APPLICATION MAY BE RECEIVED IN PRINCETON OR BERKELEY BY THE CLOSING DATE.



## FOREIGN STUDENTS

Students applying from foreign countries will be admitted by presenting credentials required by the United States Office of Education for admission to a college of liberal arts and by satisfying the University's requirements for admission.

Johnson C. Smith University is authorized under Federal law to enroll nonimmigrant alien students.

## ADMISSION WITH ADVANCED STANDING

An applicant for admission with advanced standing should have transcript of credits from each college previously attended sent directly to the Registrar of the University. An applicant will be allowed credit for such professional credit as falls within the field of specialization offered in Johnson C. Smith University according to the amount and quality of this work. An applicant must also present transcripts of his high school records. An applicant transferring to Johnson C. Smith University from a college approved by a regional association will be admitted with advanced standing provided he has maintained a general average of C in courses that are equivalent to those given at Johnson C. Smith University.

An applicant for admission as a transfer student from another college may be required to take examinations to justify advanced standing.

A student applying to Johnson C. Smith University for admission with advanced standing whose record shows that he is either on probation or dropped for poor scholarship or dropped for some other cause will not be admitted.

## SPECIAL STUDENTS

Applicants may enter Johnson C. Smith University for the purpose of taking certain courses without becoming candidates for a degree. They will not be subject to the specific requirements for admission, but must prove to their instructors the ability to pursue successfully the courses for which they have registered. Such students may later become candidates for a degree by meeting all entrance requirements. Special students will not participate in intercollegiate athletics or other student activities. They will be subject to the same rules and regulations as regular students.

## READMISSION OF FORMER STUDENTS

A student who has withdrawn in good standing and who subsequently wishes to return to the college must apply for readmission. To do so he should write a letter to the Registrar stating his reasons for wishing to return. Re-entering students *must* receive notice of approval before returning to the college.

## REGISTRATION

*Time.* All students must register at the beginning of each semester whether they were in residence the preceding semester or not. Students



are required to register in person at the University on the days designated for such purpose, between 8:00 o'clock in the morning and 5:00 o'clock in the afternoon.\*

All Freshmen students will report for registration Winter semester, Monday, August 25, 1969. Former students and transfer students will report for registration on Wednesday, September 3, 1969.

*Late Registration.* Students may be allowed later registration upon the payment of a late fee of five dollars per day, but no student will be permitted to register later than the time specified in the calendar.\*

*Freshman Week.* The first week of the school year is devoted especially to the adjustment of freshman students to their new surroundings. The program includes registration, orientation, lectures, tests for placement, diagnosis and guidance, training in the use of the Library, definite information on the various regulations on the campus, and the freshman reception.

*Charges in Registration.* If a student finds it necessary to make a change in his program of study after he has registered, the change must be made through the *Registrar's Office* on blanks provided for that purpose. For any such change the student must obtain the permission of the Dean, the instructor, and the advisor.

Any change in program must be made before the time for making changes expires.\* As every student's schedule must be approved by the Dean, a student may enter or withdraw from a course only on his authority. A course once registered for may not be dropped without permission of the Dean. A course dropped without permission is considered as a failure and is so recorded.

*Student Load.* A normal load for a student in the College of Arts is sixteen (16) semester hours. In the summer session the normal load is six (6) semester hours.

*Excess Hours.* Only students who have at least a general average of "B" or earned such average the previous semester and have carried the normal load of work will be permitted to carry any excess hours. EXCEPTION MAY BE GRANTED TO GRADUATING SENIORS WITH APPROVAL OF THE DEAN OF THE COLLEGE.

In no case will a student be permitted to carry more than nineteen (19) semester hours of work in a semester.

The maximum amount of credit allowed for one semester is nineteen (19) semester hours.

No student will receive credit for a course for which he has not regularly registered.

No student will receive credit for the same course twice. If a course is repeated, credit for the highest grade is given.

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\*See Calendar

## INCOMPLETES

A student who, as a result of sickness or some other unavoidable cause, has not fully satisfied the requirements of a course may be given a mark of "I" if his classwork is such as to make it probable that he can gain a passing grade by completing the work. Incompletes must be removed within six weeks after the beginning of the next semester in which the student is enrolled.

Any incomplete not made up by the end of the next semester in which the student is enrolled, will be changed to an "F" on the student's permanent record.

When the grade of "I" has been removed, the student shall at once secure the necessary form from the Registrar's Office and give such form to his instructor who will report his final grade to the Registrar's Office.

IF A STUDENT DOES NOT ENROLL WITHIN TWO YEARS AFTER RECEIVING THE "I" THE INCOMPLETE BECOMES A PERMANENT "I".

## GRADES

The quality of a student's work in a course shall be reported to the Registrar by the following grades: A, B, C, D, P, F, and I. A denotes excellent scholarship; B, good; C, fair; D, poor. Work reported as of grade D cannot be raised to a higher grade by examination. F indicates failure; a student receiving such a grade may repeat the course. P is the passing grade assigned to all courses for which no credit is allowed. The grade I indicates that the work has not been completed and the student did not withdraw from it. If a student officially withdraws from a course before he has done enough work to be evaluated by the teacher, he is given the mark of W. If he withdraws from the course later in the semester, he is given the mark WP if he is making a passing grade or WF if he is doing failing work.

*Grade for Major Work.* No grade below C will count for credit in the student's major or minor work. Nor will a student be permitted to enroll for Practice Teaching unless he earns a grade of C or better in the course he is to teach.

*Grade Points.* Grade points are determined by multiplying the number of semester hours which a course yields by the grade point value of the grade. Prior to September 1, 1966, the several grades yield grade points as follows: A, 3 points for each semester hour of credit; B, 2; C, 1; D, 0; P, 0; F, 0. Grade points for students entering the University after September 1, 1966 are determined on the four point system: A yields 4 points for each semester hour B, 3 points; C, 2; D, 1; P, 0; F, 0.

## GRADE REPORTS:

At the end of each semester grade reports are sent to parents or guardians. The Dean of the College is given six weeks reports to indicate failures in course work. Only semester grades are permanently recorded.

## TRANSFER CREDITS:

CREDIT EARNED AT ANOTHER COLLEGE, WHILE A STUDENT IS OUT UNDER PROBATION RULE, WILL NOT BE ACCEPTED.



A student wishing to take summer session courses at other accredited colleges or universities and to receive credit for these courses at Johnson C. Smith University must secure approval of advisor, head of department in which course is offered, the dean of the college or registrar, both as to courses to be taken and the institution to be attended, PRIOR TO ENROLLING IN A SUMMER SESSION.

Approved courses taken at other institutions and carrying a grade of C or higher may be counted towards the 128 semester hours required for graduation. Semester hours and grade points earned at other institutions will not be included in calculation of a student's grade point average.

### THE DEAN'S LIST

At the end of each semester there is published a Dean's List of students who have earned a grade point average of 3.0 or better. Only students who are registered for a minimum of 15 semester hours will be considered for the honor roll. Students on the honor roll may carry a maximum of nineteen semester hours with the consent of the Dean of the College.

### DEPARTMENTAL HONORS PROGRAM

The purpose of the Honors Program is to provide an opportunity for extensive, planned and creative work in an area of special interest. The student is expected to complete an acceptable paper on a specific subject selected by him with the approval of his faculty adviser. At the termination of the course he will be expected to take an oral examination administered by the particular department but not solely by the person under whom the work is done.

In each division and department the Honors Program of study is administered by a faculty member or members whose training and experience are similar and closely allied with the interests of the honor students. Only students selected by such faculty members and recommended by them to the Dean of the College may participate in the Honors Program.

Students who take honors courses must have completed all required freshman and sophomore courses with a minimum overall average of 3.00, i.e. a "B" average. No more than six semester hours of honors work may be carried at any given time.

Credit in the departmental Honors Program is given for work in which the grade of "A" is earned. For any lesser grade the student receives such credit as would be earned in any regular course.

Students may be invited to enter the departmental Honors Program no earlier than the beginning of the junior year and no later than the beginning of the senior year.

### MAINTENANCE OF SCHOLARSHIP

#### CLASS ATTENDANCE

Class attendance is not compulsory. However, it is the student's responsibility to attend classes on a regular basis.

This regulation does not apply to students in remedial work who are required to attend all classes.

## WITHDRAWAL

Any student desiring to withdraw from the university during a semester must first secure forms from the Registrar's Office and get the required signatures. The completed forms *must* be deposited in the Registrar's Office. The Office of the Financial Affairs will determine the amount of fees to be refunded. IF STUDENTS DO NOT COMPLY WITH THIS REGULATION, ALL GRADES ARE RECORDED AS F.

## STATUS OF ACADEMIC

### PROBATION

1. Every student is expected to earn a grade point average of at least 2.0 during each semester. Any student who fails to maintain this grade point average will be placed on academic probation according to the following scale:

	<i>Warning</i>	<i>Probation</i>
Freshman		
and	1.50 - 1.99	less than 1.5
Sophomore		
Junior		
and	1.80 - 1.99	less than 1.8
Senior		

Persons obtaining less than 1.00 average may be dropped from the university at the discretion of the Committee on Admissions and Standards.

2. A student on academic probation may not register for more than 12 semester hours of work. In order to be removed from probation, a student must earn a grade point average of not less than 2.0 in all work for which he is registered.
3. A student on academic probation may be allowed to continue in college for one semester on probation. Satisfactory progress must be shown during this period if the student is to remain in college. If he does not do so he is dropped.
4. A student who has been dropped for poor scholarship may be readmitted upon written application for readmission.
5. A student admitted after being dropped for poor scholarship will be admitted on probation, and must maintain a grade point average of 2.0 to be eligible to remain in college.
6. The Committee on Admissions and Standards may examine the record of a student who is not doing satisfactory work or fails to make satisfactory progress toward graduation in terms of hours and grade points,



and upon careful consideration may find it advisable to ask the student to withdraw from the university.

## COURSE EXAMINATIONS

Examinations are held at the close of each semester. These examinations are required of all students.

Special examinations are given only to students who for adequate reasons have not been able to be present at the regular examinations. The privilege of special examinations is granted by the Dean on recommendation of the instructor.

## CLASSIFICATION OF STUDENTS

Students in the college are classified at the beginning of the winter semester and grouped into five classes for the year, according to records in the Registrar's Office. The basis for this classification is as follows:

**SENIORS:** Students who have credit for at least 96 semester hours of work, have earned at least 192 quality points, and have completed all the prescribed courses.

**JUNIORS:** Students who have to their credit at least 64 semester hours of work, have earned at least 128 quality points, and have completed courses prescribed for the Junior College Division with an average of C or better.

**SOPHOMORES:** Students who have credit for at least 32 semester hours of work and have earned at least 64 quality points.

**FRESHMEN:** All other students, not registered as special, are ranked as Freshmen, without regard to date of admission.

**SPECIAL:** Students who have not been admitted to candidacy for a degree.

## GRADUATION REQUIREMENTS

*General.* A candidate for the Bachelor's degree must present at least 128 semester hours and 256 quality points. He must have made a general average of "C" or more in all of his work. He must fulfill to the satisfaction of the faculty all the requirements of the curricula of the General Education Program and at least one major. HE MUST SPEND HIS SENIOR YEAR IN THE COLLEGE AND COMPLETE IN RESIDENCE AT LEAST 32 OF THE 128 SEMESTER HOURS REQUIRED FOR THE DEGREE.

*Seniors* who fall short of completing requirements for graduation may enroll at other accredited colleges or universities to satisfy completion of requirements, provided both the courses to be taken and the institution to be attended are *first* approved by the advisor, head of the department, and dean of the college or registrar.

Semester hours and grade points earned at other institutions will not be included in calculations of student's grade point average.

Requirements for graduation will be governed by the catalog under which a student first enrolls in the institution, provided he graduates within a period of five years. Otherwise, graduation requirements will be governed by the catalog which is in effect at the time he re-enters the college. Any exception must be determined by the Committee on Admissions and Standards.

### **General Education Program**

The main purpose of the General Education program is to enable each student to acquire a broad and substantial foundation in the major fields of knowledge. The program is designed to complement the program of specialized education by preparing students for responsible and imaginative living as well integrated members of the society.

Entering freshmen are required to take a series of examinations for placement and counseling purposes during Freshman Week. The tests in achievement, English, Mathematics, Foreign Language, Reading and Speech are for placement, and interest and psychological tests for use in counseling.

Students who, through testing, demonstrate proficiency in a subject matter area may be given advanced standing in that specific area. This, however, will not reduce the total number of hours required for graduation.

Students who fail to demonstrate proficiency in English, Mathematics, Reading and Speech will be required to take remedial courses in these areas.

A student may begin his major in the Freshman year.

The normal load for a freshman student is 16-17 semester hours.

A FRESHMAN WHOSE ONLY REMEDIAL REQUIREMENT IS MATHEMATICS MAY NOT REGISTER FOR MORE THAN 15 SEMESTER HOURS.

A FRESHMAN WHO IS REQUIRED TO TAKE REMEDIAL ENGLISH AND/OR REMEDIAL READING MAY NOT REGISTER FOR MORE THAN 12-13 SEMESTER HOURS.

### **BASIC REQUIREMENTS**

- I. English Composition and Literature—12 hours are required.

English 131-132. Composition

English 231-232. Introduction to General Literature

Credits in remedial work cannot be used for fulfillment of general requirements.

- II. Foreign Language—12 hours are required.

Foreign Language requirements are ordinarily represented by two years of study of a language in college.



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III. The Humanities and Fine Arts—12 hours are required.

A. Philosophy and Religion—6 hours

Group 1 Religion:

Religion 130. The Judeo-Christian Heritage.

Religion 131. Survey of the Great Living Religions.

Group 2 Philosophy:

Philosophy 131. Introduction to Philosophy

Philosophy 234. Ethics

Philosophy 233. Logic

B. Other courses in Humanities and Fine Arts—6 hours

Art Appreciation 436

Music 131. Music Appreciation

Speech 239—Theatre, A Reflection of the Times

IV. The Social Sciences—12 hours are required.

A. History—6 hours

History 233, 234—European

History 235, 236—History of United States

History 337—Hispanic America

History—Non-Western

B. Other Social Sciences—6 hours

Economics 131—Principles

Political Science 131—American Government

Sociology 131—Principles

Psychology 131—General Psychology I

Geography 131 or 132

V. The Natural Sciences and Mathematics 9-10 hours

Three or four hours of a laboratory science are required, plus six hours of Mathematics.

Biology 131

Chemistry 131

Earth Science 131

Earth Science 132

Biology 141

Biology 241

Chemistry 241

Physics 241

Mathematics

Biology 131 and Chemistry 131 are designed for students who know that they wish to take only one semester of Science.

VI. Physical Education—4 hours are required (2 hours in each area)

Physical Education 121—Personal Hygiene

Physical Education—Practice

VII. Senior Seminar—3 hours

Contemporary Issues 430

All students are required to satisfy the requirements of the elementary course in swimming, Physical Education 110. Non-swimmers may register for Physical Education 110 in lieu of one of the required activity courses,

Physical Education 114, 115, 116, 117, 118, or 119. Students capable of satisfying the requirements of Physical Education 110 may substitute one of the more advanced courses in swimming for one of the required activity courses or they may elect to take the regular requirement of 2 semesters of physical education activity courses.

Students who fail in the mathematics placement tests are required to take a remedial course in mathematics. Students taking the English test will be placed, according to their scores, in English 130, 131, or 132. Students taking the test in French will be placed, according to their scores, in French 131, 132, or 231. Students taking the test in other foreign languages will follow the same procedure as those in French.

It is recommended that students who are placed in French 231-232 take French 333-334 in order to have 12 hours of college French.

It is recommended that not later than sophomore year, student shall apply for a major after the first semester. The application is sent to the Division concerned by the Registrar. Members of the Division will have the opportunity to observe and advise the student while there is enough time to make adjustments in the student's program, if necessary. The student is then able to find the place which is most profitable for him.

#### ENGLISH PROFICIENCY:

##### STUDENTS ENTERING JOHNSON C. SMITH UNIVERSITY DURING AND AFTER THE ACADEMIC YEAR 1969-1970:

The university requirement of demonstrated English Proficiency must be met by achieving grades of "C" or better in required Freshman English courses, e.g., 130, 131 and 132.

##### STUDENTS ENROLLED PRIOR TO ACADEMIC YEAR 1969-1970:

The university requirement of demonstrated English must be met *either* by presenting grades of "C" or better in Freshman English courses, e.g., 130, 131 and 132, or by passing the English Proficiency Test.

#### EXEMPTION FROM PHYSICAL EDUCATION ACTIVITIES

Each student is required to participate in the college physical education program. To be exempted from physical education activities for medical reasons, the student must secure a permanent excuse from the college physician. This excuse must be placed on file in the Registrar's Office. VETERANS ARE EXEMPTED FROM PHYSICAL EDUCATION ACTIVITIES.

#### MAJOR PROGRAM

Subjects are arranged under the following four divisions:

*Division I. THE HUMANITIES*—English, French, German, Music, Philosophy, Religious Education, Spanish, Speech.



*Division II. THE SOCIAL SCIENCES*—Business Administration and Economics, History, Political Science, Sociology.

*Division III. EDUCATION, PHYSICAL EDUCATION AND HEALTH, AND PSYCHOLOGY*—Art, Education, (*Elementary and Secondary*), Geography, Physical Education and Health, Psychology.

*Division IV. MATHEMATICS AND SCIENCES*—Biology, Chemistry, Mathematics, Physics.

Students may concentrate in any one of the divisions listed above and may major in the following subjects: Biology, Business Administration, Chemistry, Economics, Elementary Education, English, French, History, Mathematics, Music, Philosophy, Physical Education, Political Science, Psychology, Religious Education, Sociology.

## DEGREES

The College administers four years of work leading to the degree of Bachelor of Arts or Bachelor of Science.

### Degrees with Honors

To be a graduated *Cum Laude*—A student must have spent at least two years in residence at the College and have earned an average of 3.0 to 3.49.

To be graduated *Magna Cum Laude*—A student must have spent three years in residence at the College and have earned an average of 3.5 to 3.69, and must have no grade below 'C'.

To be graduated *Summa Cum Laude*—A student must have spent at least three years in residence at the College and have earned an average of 3.7 to 4.0 and must have no grade below "C".

# JOHNSON C. SMITH UNIVERSITY

## FINANCIAL INFORMATION

The fees and charges listed herein are applicable to all students. In addition to regular fees and charges, a separate listing of special fees and charges is provided for those persons who may be affected thereby. Travel, clothing, books and other personal expenses are not included. However, the cost of text books and supplies can be expected to average at least \$90.00 per year or \$45.00 per semester.

### REGULAR SESSIONS FEES:

	<i>Per Semester</i>	<i>Per Year</i>
Tuition and General Fees -----	\$519.00	\$1,038.00
Room and Linen Rental Charges -----	190.00	380.00
Meal Charges Under Boarding Plan -----	221.00	442.00
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TOTAL REGULAR SESSION FEES AND CHARGES -----	\$930.00	\$1,860.00
PART-TIME STUDENT TUITION AND GENERAL FEE RATES:		
Per Semester Hour (Less than 12 hours)	\$ 43.25	\$ 43.25
Room and Board, same as above		

### SUMMER SCHOOL FEES: (Six Weeks)

Tuition and General Fees -----	\$	\$ 132.00
Room and Linen Rental Charges -----		60.00
Meal Charges Under Boarding Plan -----		78.00
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TOTAL SUMMER SESSION FEES AND CHARGES		\$ 270.00
PART-TIME STUDENT TUITION AND GENERAL FEE RATES:		
Per Semester Hour (Less than 6 hours)	\$	\$ 22.00
Room and Board, same as above		

### PAYMENTS:

Total semester fees and charges are due and payable in full on or before registration of each semester. Please mail payments not less than two weeks prior to due date or pay in person at the time of registration. Remittances of money for school expenses should be made by certified check or money order payable to Johnson C. Smith University. Address payments to Cashier's Office, Johnson C. Smith University, Charlotte, North Carolina 28208.

### INSTALLMENT PAYMENT INFORMATION:

The University no longer provides for installment payments. However, The Tuition Plan, Inc.—575 Madison Avenue—New York, New York 10022 will accept any Johnson C. Smith University student under one of their installment plans as selected by the parent upon application to them at the above address. You are urged to note that full semester fees and charges



must be paid in full at the time of registration or in lieu thereof, student coverage under The Tuition Plan. The company will adjust your payment schedule to them for any scholarship, other loan or aid the student is provided by or through the University which will be used to apply against school charges.

### INCIDENTAL FEES AND DEPOSITS:

Admission Application Fee—New Students (no refund or credit on account) -----	\$25.00
Room Reservation Deposit (no refund—credit applied to account)	25.00
Meal Card Replacement Fee -----	5.00
ID Card Replacement Fee -----	5.00
Graduation Fee -----	15.00
Student Teaching Fee -----	30.00
Music Private Lesson Fee, per ½ hour -----	15.00
Music Instrument Use Fee, per semester -----	10.00
Ambulance or other medical or dental expenses not covered by insurance	Actual Cost
Infirmary Room Charges (after 3rd day) per day -----	6.00
Transcript Fee (after first) -----	1.00
Late Registration Fee per each day late -----	5.00
Dormitory Lost Key Fee -----	1.00
Make up or Late Examination Fees, each -----	5.00

### AUDITING COURSES:

Auditing of courses is open to any person without credit, upon the payment of all regular applicable fees. Currently enrolled full-time students may audit courses without additional charges. An auditor is not required to participate in class discussions, prepare assignments or take examinations.

### REFUNDS:

Refunds upon official withdrawal of a student will be made less any amounts due the university as follows:

1. **Lodging:** Number of full weeks remaining in term excluding Christmas and Spring break holidays, at the rate of \$11.00 per week from time of approved official withdrawal.
2. **Board:** Refund computed at the rate of \$1.85 per day from date of official withdrawal and surrender of meal card to the Business Office.
3. **Tuition and General Fees:**  
 90 percent when withdrawal is within two weeks of registration date.  
 75 percent when withdrawal is within four weeks of registration date.  
 50 percent when withdrawal is within eight weeks of registration date.  
 None when withdrawal is after eight weeks.

**SPECIAL NOTICES AND EXPLANATIONS:**

1. The University reserves the right to increase or decrease all fees and charges as well as add or delete items of expenses without advance notice as circumstances, in the judgment of the Administration, may require.
2. The day of an official withdrawal of a student is the date affixed to the withdrawal form by the Dean of Student Affairs.
3. Room and Board rates are based on the average cost of operations for the entire school year which includes provision for services only during the scheduled operational days. Allowances have therefore been made for the Christmas and Spring break holidays when these facilities are closed. Every student is strongly advised to be prepared to vacate the campus premises during these two vacation periods.
4. With the exception of special cases in which permission has been obtained from the Dean of Student Affairs, students from outside the county of Mecklenburg are required to reside in the University Residence Halls and take board in the University Cafeteria.
5. Students' property in residence halls and other university buildings is at the sole risk of the owner and the university is not responsible for loss or theft of or damage to such property arising from any cause.
6. Students are required to pay for any loss of or damage to University property at replacement cost due to abuse, negligence or malicious action, in addition to being subject to disciplinary action.
7. Personal spending money or allowances should be sent directly to and made payable to the student in the form of money orders or certified checks. The University cannot cash personal checks for students in any amount.
8. Diploma and transcripts of records are withheld until the student has paid in full all fees and charges due the University. Further, a student in debt to the University in any amount will not be admitted to final examinations in any course, nor will he be permitted to register for any subsequent semester or term until his obligations are paid. Any student whose account is in arrears by thirty (30) days or more is subject to dismissal from school for non-payment of fees.
9. Student teachers who are boarding students at the university will be granted credit on their accounts for meals missed during their absence from the campus provided the meal card is surrendered at the Business Office prior to their official leave. No credit will be allowed on room rent or other fees.
10. The student is responsible for his personal laundry and dry cleaning.
11. Cooking or the use of electrical or mechanical cooking appliances in university residence halls is prohibited.
12. No student who is indebted to the university will be permitted to join a social fraternity or sorority.



## **DIVISION OF STUDENT AFFAIRS**

The Division of Student Affairs at Johnson C. Smith University is based on the educational philosophy which views education as a developmental process involving the total person. It is dedicated to facilitating the attainment of the aims and objectives of the University. The Division provides an organized program of student personnel services to aid each student in achieving the full potential of his intellectual development, emotional stability, vocational interests, and spiritual growth; and to facilitate the development of each individual to the end that he will become increasingly self-directed.

The Division of Student Affairs consists of the Dean of Students, Dean of Men, Dean of Women, Dean of Chapel, Counseling and Testing Services, Student Financial Aid, Health Services and Placement Services.

### **Dean of Students**

The Dean of Students coordinates and administers the over-all program of the Division of Student Affairs.

### **Dean of Men and Dean of Women**

The Dean of Men and Dean of Women work in an associate capacity with the Dean of Students; and supervise programs for student life and welfare which are peculiar to men and women students, respectively.

### **Counseling and Testing Services**

These services are designed to help students become self-directed in making the best use of their opportunities for educational, vocational and personal development; and to assist students in solving problems of adjustment.

Professional counselors are available to all students in areas of vocational concerns, mental health problems, personal problems and religious problems.

The Testing program provides students with services to evaluate their vocational fitness, reach an understanding of their interests and aptitudes, and provide for individual and group evaluation for individual students and academic departments.

## **RELIGIOUS LIFE**

The program of religious life is developed and coordinated by the Dean of Chapel. This program consists of religious activities which represent educational and spiritual values in terms of individual development and personal discipline.

### **University Memorial Union**

The University Union is an organization of the University which includes every enrolled student, the faculty, administrators and staff; and is available for use by alumni. It is important to understand that the University Union is an organized program and not simply a building.

The Union program organization includes the Governing Board, the Program Board and its several sub-committees and a professional staff consisting of the Director and the Program Director. This organization is established to achieve the following purpose:

1. To provide the program to serve as the community center of the University, for all members of the University family.
2. To provide the services, conveniences and amenities the members of the University family need in their daily life on the campus and for getting to know and understand each other through informal association outside of the classroom.
3. To serve, as a part of the educational program of the institution, as a laboratory of citizenship, training students in social responsibility and for leadership in our democracy; to provide a cultural, social and recreational program, aiming to make free time activity a co-operative factor with study in education; to encourage self-directed activity, giving maximum opportunity for self-realization for growth in individual, social competency and group effectiveness; its goal being the development of persons as well as intellects.

To serve as a unifying force in the life of the University, cultivating enduring regard for the loyalty to the University.

### **Student Health Services**

Health supervision and medical care are provided for students through the Student Health Services. The staff consists of the Student Health Service Physician and staff nurses.

Physical Examinations are required of all new students. These examinations should be secured by the student before admission to the University.

All full-time students are entitled to consult with the Health Services staff. Students living off campus must report to the Health Center for treatment.

Persons reporting to Health Services for treatment will be given the initial dose of medicines and drugs available. Prescriptions will be given for subsequent drug and medicine needs to be filled at the student's expense. If the Health Services provide medication beyond the initial dose, these will be given at the student's expense.

Frequently specialists are needed for students. In such cases the Health Service staff will refer students to recommended specialists. The cost of the services of specialists will be responsibility of the student and his parents.

Students who need hospital care will be referred to hospitals in the city of Charlotte. The cost of hospitalization care will be the responsibility of students and their parents.

### **Health and Accident Insurance**

Students are urged to carry adequate health insurance to protect against the possibility of serious illness or injury requiring hospitalization or ex-



pensive medication and/or treatment. The University has accident and hospitalization insurance which is required of each student. Cost of treatment and hospitalization beyond the amount covered by this insurance is the responsibility of the student and his parents.

Students with coverage under "Family health plans" should check frequently their status in the plan as most family plans have certain age limitations.

### Student Housing

The University maintains residence halls for men and women. Freshmen students who are not residents of Charlotte, as far as space will permit, are required to live in the residence halls; exemptions must be made through the office of the Dean of Students.

Students who live off-campus must keep the Office of the Dean of Students informed of his correct address. Students in off-campus housing are responsible to the University as enrolled students, relating through the Offices of Dean of Men and Dean of Women. Off-campus students are expected to maintain the same standards of citizenship as students in the residence halls.

Students who wish to live in campus residence halls must apply for the same through the Office of the Dean of Students. Arrangements for housing must be made separately from academic admission procedures and must be made by each student each year. A student must be admitted to the University before receiving a housing assignment.

A room deposit of twenty-five dollars (\$25.00) must be made with each application. This deposit will be held until the student complies with the required procedures for admission to University housing; these terms met, when the students registers for the period for which the application is made, the deposit will be applied to the student's room and board account.

Students will be notified of the approval of their application in the form of a student housing assignment, which must be accepted or rejected by a date indicated on the form. Failure to do so will result in cancellation of the assignment and forfeiture of the deposit. If the student accepts the assignment and later decides not to use the assignment; if he gives notice of the same at least three weeks prior to the expected date of occupancy, the assignment will be cancelled and deposit refunded. Cancellations for any reason after this date will result in forfeiture of the deposit.

### Student Activities

The program of student activities includes all organized out-of-class activities of students and student organizations. Basic to this program is the belief in the value and need for a program of out-of-class activities that provide adjunct experiences to the academic program; provide opportunities for the development of student leaders and responsible group participation, and to provide avenues for social interaction, creative use of leisure time, and to cultivate and give expression to the various interests of students.

Student Organizations may be classified into the following categories:  
 Student Governance: Student organizations which perform coordinative and regulatory functions in student life in the University.

The Student Government	Off-campus Women's Council
The Student Christian Association	Off-campus Men's Council
The Pan Hellenic Council	Liston Hall Residence Hall Council
Duke Hall Residence Hall Council	Sanders Hall Residence Hall Council
Berry Hall Residence Hall Council	Myers Hall Residence Hall Council
Carter Hall Residence Hall Council	Smith Hall Residence Hall Council
Men's Interresidence Hall Council	

*Honorary Societies:* Student organizations which give recognition to high scholarship achievement by individual students, and seek to promote an atmosphere of and striving for high scholarly attainment in the campus community.

Alpha Kappa Mu Honor Society

Beta Kappa Chi Honorary Scientific Society

Sigma Rho Sigma Honorary Society in the Social Sciences

*Professional and Academic:* Student organizations which are academic departmentally related and pre-professional organizations designed to bring together majors in particular academic disciplines and students with particular pre-professional interests in order to develop their interests, further their competency in the areas of their specialty, and apply to out-of class situations, knowledge and skills acquired in the classroom instruction.

Chemistry Club	The Psychology Club
Economics Club	Sociological Society
German Club	The Spanish Club
History Club	Act I (Club in Creative Expression)
LeCercle Francais	International Relations Club
Mathematics Club	Physical Education Club
Music Educators National	Student National Education
Conference	Association
The Philosophy Club	Biology Club

*Service.* Student organizations whose purpose is to enrich the educational experience of its members, the campus and the community through a variety of service endeavors to the campus community and the larger community.

Alpha Phi Omega National Service Fraternity

*Student Publications:* The University Student (paper); The University Bull (annual).

*Performing Groups.* Performing groups and organizations which bring together for recognition and individual achievement, students who have achieved through their participation in the several performing activities on the campus.



The University Choir  
 The University Band  
 The Track Club  
 The Varsity "S" Club

Ira Aldridge Dramatics Guild  
 Alpha Psi Omega National Honorary  
 Dramatic Fraternity  
 The Debating Society

### *Greek Letter Fraternities and Sororities*

Alpha Kappa Alpha Sorority  
 Alpha Phi Alpha Fraternity  
 Delta Sigma Theta Sorority  
 Kappa Alpha Psi Fraternity

Omega Psi Phi Fraternity  
 Phi Beta Sigma Fraternity  
 Sigma Gamma Rho Sorority  
 Zeta Phi Beta Sorority

*University Relations.* Organizations whose purpose is to promote and develop activities related to their membership status in the University and to create the expression of post-graduation relationships with the University.

The Freshman Class  
 The Sophomore Class  
 The Charleston Club

The Junior Class  
 The Senior Class  
 The Pre-Alumni Council

*Cultural and Political Organizations* which propose to provide fellowship, render services, and promote interests and endeavors which are peculiar to certain cultural, civic, political and ethnic ideals.

The National Association for the Advancement of Colored People

The Veteran's Club

The Black Students Unity League

### **Scholarships**

*Competitive and Honor Scholarships:* The University offers twelve competitive scholarships to applicants for the freshman class. The competitive scholarships range up to \$7,440 for the four-year period. Not more than one-fourth of the scholarship may be used during one academic year. The recipient must maintain honor grades in college for the scholarship to be renewed each year.

High school seniors who are interested in competing for these scholarships should take the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board in December. The competitive scholarships are awarded on the basis of the scores made on the Scholastic Aptitude Test (SAT), high school grades, and recommendations.

A limited number of honor scholarships, in smaller amounts, are offered to high school seniors who do not qualify for the competitive scholarships, but who do have very good scores on the Scholastic Aptitude Test (SAT) and exceptional high school records.

*National Presbyterian College Scholarships:* For superior young people preparing to enter as freshmen into one of the forty-five colleges related to the Board of Christian Education, United Presbyterian Church, U.S.A., of which Johnson C. Smith University is included.

*W. D. Scales Scholarship Fund*, made available by Mr. W. D. Scales, a member of the class of 1928, provides loans for qualified, worthy students who are in need. The loans will be repaid at low interest.

*The Reader's Digest Scholarship Program*, provided by the Reader's Digest foundation, makes available for highly qualified students who are in need of financial assistance.

### Grants

*Educational Opportunity Grants*, provided through the Federal Government under Higher Education Act, 1965.

### Student Employment

*University Work Aid*. The University offers student employment by which recipients may earn part of their expense. Employment opportunities are available on the basis of the student's needs, skills, and the employment needs of the University.

*Work-Study Program*. The University participates in the Work-Study Program provided under the Higher Education Act of 1965.

### Loans

*National Defense Student Loan Program*. These loans are available to students who qualify according to the standards set by the United States Department of Health, Education and Welfare. Applications may be secured from the Director of Financial Aids, Johnson C. Smith University, Charlotte, North Carolina 28208.

*North Carolina Prospective Teachers Loan*. The University is approved by North Carolina for prospective teachers who secure loans from the Scholarship Loan Fund of the North Carolina Department of Public Instruction.

*The North Carolina Bankers Student Loan Plan*: This is a loan established by North Carolina business, education and government to enable students to continue their education after high school by making money available through loans. A student may borrow up to \$1,500.00 per year. Any North Carolina citizen who has been accepted for admission to an accredited college or university within the state of North Carolina is eligible. This includes students who have been admitted to Johnson C. Smith University. Further information and application forms may be secured from the Business Office, Johnson C. Smith University, Charlotte, North Carolina 28208.

*Bryan Foundation Loan*. A student loan plan administered by the College Foundation, Inc., for residents of North Carolina who have been accepted by an accredited institution. Each applicant must meet certain academic standards as related to the course of study he plans to pursue and must substantiate proof of financial need. Secure application from the Director of Financial Aids.



*State Guarantee Loans.* The Higher Education Act of 1965 established a program to assist students in borrowing money for educational expense at a low rate of interest. These funds are available through your state lending agency. Information on the same should be secured from your Counselor or the Director of Financial Aids, Johnson C. Smith University. A student may borrow up to \$1,500.00 per year.

*United Presbyterian Student Loans:* Johnson C. Smith University students who are communicant members of the United Presbyterian Church, citizens of the United States, registered with or under the care of Presbytery for a church vocation, in the junior or senior year, and are full-time candidates in good academic standing, may apply for a loan from the Student Loan Fund of the United Presbyterian Church, U.S.A. For further information see the financial aid officer of the institution.

*Other Loans.* There are many private loan agencies which provide loans to students for educational expense. Contact the Director of Financial Aid for further information.

### Awards and Prizes

THE ROBERT JAMES BROWN MEMORIAL FUND SCHOLARSHIP, awarded by Mr. and Mrs. William J. Brown of Rockville Centre, New York, in memory of their son. The conditions for these scholarships and the spirit which motivated Mr. and Mrs. Brown's awarding them are best described in the words of the original announcement in 1947.

"The Robert James Brown Memorial Fund Scholarships are given in memory of Robert James Brown who was a member of the class of 1946 at Wooster College. Bob was unusually interested in all having opportunity for training and development irrespective of race, creed or color. A paratrooper, Bob gave his life in Belgium saving a wounded fellow soldier.

"Four scholarships of \$150.00 each are awarded annually, two to Junior men and two to Senior men, on the basis of certain qualities of character, leadership, and scholarship. In awarding these scholarships, important consideration is given to the financial needs of the student and the effort he is making by his own work to meet such needs." (See also page 53 for the Robert James Brown Memorial Fund History Prize.)

*The Joseph P. and Hattie C. Clinton Memorial Fund.* Mr. Joseph P. Clinton of Chester, South Carolina, left a will of \$5,000.00 to be known as the Joseph P. and Hattie C. Clinton Memorial Fund. The income from this fund will be used to provide scholarship aid for deserving students.

The University offers to undergraduate students scholarships and student work aid, both under the supervision of the committee on scholarships and student aid.

*The Robert L. Douglas Memorial Scholarship in Mathematics,* awarded by Dr. Clarence F. Stephens, a graduate in the Class of 1938, in honor of the late Dr. R. L. Douglas who served for a number of years as Professor of Mathematics at the University. This scholarship of \$100.00 is

awarded annually to a junior or senior mathematics student who has demonstrated ability and enthusiasm for graduate study in mathematics.

*The Edward S. Robinson Memorial Scholarship.* This scholarship is offered by the family of Edward S. Robinson, DVM, M.P.H., who died suddenly on September 30, 1962. At the time of his death, Dr. Robinson, a member of the Class of 1948, was employed by the New Jersey State Department of Public Health as Veterinarian and Epidemiologist. The scholarship of \$150.00 is awarded to a promising male junior or senior, of good character, in need of financial aid, and pursuing a pre-medical course or a major in biology.

*The Catherine Hughes Waddell Memorial Scholarship,* a merit scholarship of \$500, awarded to the best all-around student in scholarship, campus citizenship and deportment.

*The Walter G. Anderson Memorial Fund.* A small fund established in memorial to the late Reverend Dr. W. G. Anderson of Danville, Virginia, to be used as emergency grants for needy students who are majoring in Religious Education.

*Samuel Robinson Scholarships:* These scholarships were provided by Mr. Samuel Robinson, a Presbyterian layman, whose desire was that the Board of Christian Education of the United Presbyterian Church, U.S.A., would administer them to college students. Only college freshmen and sophomores enrolled in one of the United Presbyterian colleges, which includes Johnson C. Smith University, are eligible. Applicants must successfully recite the answers of the Shorter Catechism and write an original 2,000 word essay on a topic related to the Shorter Catechism. For further information contact the Financial Aid Officer, The Theological Seminary, Johnson C. Smith University, Charlotte, North Carolina 28208.

THE BREWER MEMORIAL PRIZES (two) of \$15.00 each are given annually by William M. Brewer in memory of his parents, the late Robert and Martha (Dye) Brewer, of Elberton, Georgia, and brother, Judge L. H. Brewer, (Biddle '11). One of these prizes will be presented to the major in English who maintains the highest average in English during his or her college course and the other will be presented to the major in Mathematics who maintains the highest average in Mathematics during his or her college course.

THE CARL T. RATLIFF SCHOLARSHIP of \$500 provided by Attorney Carl T. Ratliff of the class of 1951, is available to a student from Inkster High School in the city of Inkster, Michigan, who shows promise of high achievement in one or more areas of scholarship, athletics, music, dramatics, constructive leadership or good citizenship.

THE ROBERT JAMES BROWN MEMORIAL FUND HISTORY PRIZE, awarded by Mr. and Mrs. William J. Brown of Rockville Centre, New York, along with four scholarships.

"The Robert James Brown Memorial Fund History Prize of \$50.00 is to be awarded to the Senior man majoring in history who has done the best work in that field over his entire college course."



THE A. O. STEELE PRIZE IN RELIGIOUS EDUCATION of twenty-five dollars is given annually by the Community Leadership Training Class in Religious Education to the Freshman making the highest record in Religious Education for the year.

*The Reader's Digest Endowed Scholarship* is provided by a grant of \$5,000 from the Reader's Digest Foundation through its scholarship program. The annual income from the fund makes scholarship assistance available to a highly qualified student.

*The Jefferson Standard Scholarship* of \$600 is provided annually by the Jefferson Standard Foundation, beginning in the 1969-1970 school year, for a major in business administration.

*The Lionel H. Newsom Scholarship* of \$100 is offered annually by Dr. Lionel H. Newsom to the athlete who makes the highest honor (B or above) average during the school year.

*James G. K. McClure Educational and Development Fund.* The objective of this college scholarship program is to aid financially deserving and academically promising residents of Western North Carolina to enter college and to pursue their formal education beyond high school. Rural residents will be given preference in the selections, provided their academic and other qualifications are satisfactory. Evidence of Christian character and the desire to be of service to one's fellowmen are considered of basic importance in the selection of the recipients. Apply to James G. K. McClure Educational and Development Fund, Inc., Box 1940, Asheville, North Carolina.

### Placement

*Career Counseling and Placement Services.* The Career Counseling and Placement Services, a part of the Office of the Dean of Students, is prepared to assist students through vocational counseling and job placement. The Director is available to aid students in their exploration of possible career fields. Collection of vocational literature are maintained in the Placement Office.

*Job Placement Services* are available to undergraduates, graduating seniors and alumni. These services include assistance with fulltime and summer positions. The office maintains contact with business, industry, school systems, government, non-profit and educational organizations through the hundreds of job listings annually by employers and through visits made by the placement personnel.

Through personal interviews students are given assistance in techniques of job hunting and in the selection of positions in which their training and capabilities will be best utilized.

*Cooperative Education Program.* The purpose of the C.E.P. is to expose the students to the practical world of work as well as the theoretical. This plan integrates classroom experience and practical work experience in

industry, business, government or service type work situations. The work experience constitutes a regular and essential element in the educative process and some minimum amount of work experience and minimum standards of performance are included in the requirements of the institution for a degree under this program. For further information contact: The Placement Office, Johnson C. Smith University, 100 Beatties Ford Road, Charlotte, North Carolina 28208.

### **Standards For Student Life**

Johnson C. Smith University assumes that it is a community of mature students. It expects that the students will engage in life patterns accordingly.

The University standards are designed to maintain those conditions which will guarantee the best possible developmental of the mental, physical, social and spiritual potentialities of every student on the campus. Success in this connection is dependent upon the fullest cooperation of everyone who participates in the life of the University. The following minimum regulations are set forth, as guiding principles for all students.

### **Membership In The University**

Attendance at Johnson C. Smith University is a privilege and not an inherent right. The University requires each student to observe the guidelines for student life in the University as found in this catalogue, the Student Handbook, house regulations governing life in the several residence halls, and other policies and procedures published in official University publications.

The University reserves the right to cancel the enrollment of any student who abuses this privilege and violates the standards of life in the University when it shall be determined through the established process that a student has forfeited his privilege to remain in the University.

The basic standards, policies and procedures for student life are set forth in the *Student Handbook* and are supplemented by policies and procedures specific to the various administrative and academic offices.

### **Administration of University Regulations and Standards**

Regulations are normally administered by the office responsible for the several areas which the regulations govern. When difficulties arise in observance of these regulations to the point where such difficulties cannot be resolved by the administrative supervisor of that area, it shall be referred for adjudication through the judicial system established for student discipline, as outlined in the *Student Handbook*.

## **ATHLETICS**

Physical education and health, and athletics are considered integral parts of the total educational program offered at Johnson C. Smith University.

The University is a member of Central Intercollegiate Athletic Association, National Collegiate Athletic Association, National Association of Intercollegiate Athletics, American Tennis Association and National Intramural Association.



## COURSES OF INSTRUCTION

### SYSTEM OF COURSE NUMBERS

The first digit indicates the sequence of the course, the second digit the number of credit hours, and the third indicates the semester. Odd numbers indicate Winter semester and even numbers Spring semester.

Courses beginning with 1 are intended primarily for Freshmen, 2 for Sophomores, 3 for Juniors, and 4 for Seniors.

*For Example:* English 131 is open to Freshmen, carries three hours credit and is offered in the Winter semester. English 336 is intended primarily for Juniors, carries three hours credit and is offered in the Spring semester.

A course numbered 231a or 231b denotes that the same course is offered in both semesters, *a* for the Winter semester, and *b* for the Spring semester.

## INTERDISCIPLINARY SENIOR SEMINAR

**Contemporary Issues 430**—This course is designed to assure the student of the necessary skills for discovering, articulating, and coping with the compelling issues of his society. Not only is it enough to keep abreast with contemporary problems, but through critical analysis the student must perceive relationships, at deeper than a surface level, of these social developments vitally affecting him. Moreover, he must synthesize such crucial insights as to be useful to him for predictive purposes in the decision-making and decision-implementing process. Required of all seniors. Credit 3 semester hours.

## DIVISION I. THE HUMANITIES

The Division of Humanities includes four departments: English, Foreign Languages, Music, and Religious Education and Philosophy. Majors and minors are offered in all of these departments.

### HUMANITIES

- 223. *Art, Basic Design.* Emphasis in this course will be placed upon the understanding of Basic Design as it relates to visual experience; Studio problems involving form, color, and texture; selected reading, exhibits and museum visits. *Credit 2 semester hours.*
- 224. *Art, Painting Techniques.* Emphasis in this course will be placed upon painting techniques both past and present; Studio work in tempera, water colors, polymer and oil painting; selected reading, slide exhibits and museum visits. *Credit 2 semester hours.*
- 231. *Survey of Humanities.* The purpose of this course is (1) to acquaint the student with the intellectual, emotional, and artistic values of American life, (2) to develop appreciation and understanding of architecture, sculpture, painting, philosophy and literature, and (3) to establish methods of criticism and evaluation of the creations of the mind. Required for graduation. *Credit 3 semester hours.*

321. *Introduction to the Fine Arts.* Background material and studies to stimulate understanding of music, architecture, sculpture, painting and languages. Lectures, demonstrations, museum visits, concerts and student essays. *Credit 2 semester hours.*

DEPARTMENT OF ENGLISH

The Department of English includes, along with its other offerings, courses in Speech and Journalism. Those persons who fail Speech Placement Test will take remedial speech at the freshman level. Those persons who pass the test will not be required to take speech except in such cases as the particular Departments make such requirements. In this case, 221 and 222 will be available for their election.

A. ENGLISH

Prerequisites for an English Major or Minor

A student who plans to concentrate in English should pass English 131-132, and English 231-232 with distinction (a grade of "C" or better). The student should have also completed two years of foreign language.

PROGRAM OF STUDY

The Major program in English consists of twenty-four hours of English in the senior college division; the minor program consists of eighteen hours in the senior college division.

The Major or Minor is required to select twelve hours from the periods below. The remaining required hours may be selected from the periods listed below not chosen to satisfy period requirements. Candidates for teacher certification must elect with State requirements in mind.

Medieval and Renaissance Period:	English 331 English 431 English 338	} ..... 3 hrs. required
17th, and 18th Centuries:	English 332 English 437 English 439	} ..... 3 hrs. required
American Literature:	English 333 English 334 English 434	} ..... 3 hrs. required
Modern Literature:	English 433 English 435 English 436	} ..... 3 hrs. required
Senior Seminar: English 430 — 6 hrs. required		
English 335*		
English 336*		
English 337		
English 339*		
English 429*		
English 438		

\*Required by the State for Teacher Certification.



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130. *English Grammar and Composition*. Training in the fundamentals of grammar and composition with emphasis upon expository writing. (Passing grade C or better) *3 semester hours*.
131. *English Composition*. Intensive training in patterns of writing compositions. (Passing grade C or better) *Credit 3 semester hours*.
132. *English Composition*. A continuation of English 131 with special emphasis upon persuasive and research writing. (Passing grade C or better) *3 semester hours*.
231. *Introduction to General Literature*. Interpretation and appreciation of poetry and drama. *Credit 3 semester hours*.
232. *Introduction to General Literature*. Interpretation and appreciation of the short story and the novel. *Credit 3 semester hours*.
- 233-234. *Survey of English Literature*. Designed for prospective majors and minors, traces the historical development of English Literature from the Anglo-Saxon Period to Contemporary Literature. *Credit 3 semester hours each semester*.
235. *Children's Literature*. The purpose of this course is to point out the types of literature suitable for primary and grammar grades. *Credit 3 semester hours each semester. Required only of Elementary Education majors*.
- 237-238. *Creative Writing*. Fiction, poetry, and drama according to students' interests. *Credit 3 hrs. each semester*.
331. *Shakespeare*. A study of the progressive development of Shakespeare's art as it is revealed in representative plays. *Credit 3 semester hours*.
332. *Neo-Classical Literature*. A study of the leading poets and prose writers from Dryden to Burns. *Credit 3 semester hours*.
333. *American Literature*. A study of the main currents of American literature from its beginnings to 1870. *Credit 3 semester hours*.
334. *American Literature*. A study of the modern trends and patterns in American Literature of the 19th and 20th centuries. *Credit 3 semester hours*.
335. *Historical Development of the English Language*. A study of the development of the English Language and descriptive linguistics as applied to it. *Credit 3 semester hours*.
336. *Advanced Grammar and Composition*. A specific, detailed consideration of the nature and function of English grammar and its application in the major forms of composition. *Credit 3 semester hours*.
337. *Classical Literature*. A course designed to familiarize the English major with the generic sources of Western literary forms through a study of Greek and Roman epic, tragedy, comedy, pastoral idyl, elegy, ode, and lyric. To include also Aristotle's *Poetics* and some necessary mythological material. *Credit 3 semester hours*.

338. *Literary Criticism*. A study of the principles of criticism as they relate to function, style, methodology and evaluation of prescribed literary works. *Credit 3 semester hours*.
339. *Developmental Reading*. Involves comprehension techniques and mechanics of reading, word attack and skills for study and independent reading. *Credit 3 semester hours*.
430. *Senior Seminar*. A consideration of the nature of literature involving scholarly depth and scope. Through independent study and staff guidance, the student studies the forms, structure, and ideas in various literary genre. *6 semester hours*. (Offered second semester of junior year and first semester of senior year.)
431. *Chaucer*. An examination of the works, life, and times of Chaucer with attention to middle English and medieval culture. *Credit 3 semester hours*.
433. *English and American Fiction of the Twentieth Century*. A study and analysis of the novel and short story with particular focus on the writing of the 1920's. *Credit 3 semester hours*.
434. *Negro Voices in American Literature*. An historical survey of writings by American Negroes. *Credit 3 hours*.
435. *History of the English Novel*. The history and development of the English novel from Fielding to the Present. *Credit 3 semester hours*.
436. *Contemporary Poetry and Drama*. A study of both American and British poetry and drama of the twentieth century. *Credit 3 semester hours*.
437. *The Romantic Movement*. A study of the poetry and prose writers of the Romantic Movement and philosophical, social and aesthetic ideals which they reflect. *Credit 3 semester hours*.
438. *Victorian Literature*. A study of representative literature of the Victorian age as art and as a reflection of the main currents of the philosophical, scientific, social and aesthetic thought of the period. *Credit 3 semester hours*.
439. *The Seventeenth Century*. A formal approach to the epic, dramatic, poetic genre of Donne, Milton and other Seventeenth Century figures. *3 semester hours*.

#### B. SPEECH

120. *Remedial Speech*. Deals with problems in voice and articulation. Required of all who fail the speech placement test. *Credit 2 semester hours*.
237. *Oral Interpretation*. Basic course in oral interpretation of literature, with emphasis on vocal technique in relation to depth analysis of the material. *Credit 3 semester hours*.



239. *Theatre, A Reflection of the Times*. A survey course in theatre, studying the development of the dramatic image in relation to the social order. The course will discuss the critical values used to judge theatrical productions. *Credit 3 semester hours*.
- 333-334. *Dramatic Workshop*. A practical course in the staging of plays with attention given to acting, lighting, costuming, make-up, scene designing and other aspects of the art. Lecture and workshop; open to all students interested in dramatics. Though the course may be taken for as many semesters as the student desires, credit will be given only for two semesters' work. *Credit 3 semester hours each semester*.
430. *Psychology of Speech*. The psychological principles involved in oral communication and how they apply to individual and group speech problems. *Credit 3 semester hours*.

### C. JOURNALISM

231. *Introduction to Journalism*. The function of the journalist in a democracy; the organization of a newspaper; what news is; how newspapers get news; emphasis on the function of a reporter; intensive practice in writing various types of news stories; a discussion of newspaper history and of today's newspapers and other media of mass communication, including radio and television. *Credit 3 semester hours*.
232. *Reporting of Public Affairs*. Instruction and practical experience, insofar as community opportunities provide, in reporting governmental and other events of general community interest; intensive practice in writing news stories and features designed for newspaper publication. Prerequisite: Introduction to Journalism. *Credit 3 semester hours*.

### DEPARTMENT OF FOREIGN LANGUAGES

Placement Tests—All students who have studied two or more years of a foreign language in high school are required to take a placement examination in that language studied. Students taking the test will be placed according to their scores in either 232, 231, 132, or 131. In case a student fails the placement examination, he is eligible to enroll in any Foreign Language 131.

### FRENCH

A major in French shall consist of thirty hours beyond French 232 or a total of 42 semester hours. A minor in French shall consist of fifteen semester hours beyond French 232 or a total of twenty-seven semester hours.

The following courses are required for a major: French 331, 332, 333, 334; 431, 432, 433, 434, 435 and 436.

- 131a-131b. *Elementary French*. Primary object: to enable the students to understand French, written and spoken. *Credit 3 semester hours*.

- 132a-132b. *Elementary French*. Primary object: to enable the student to reproduce easy French, written or spoken. Prerequisite: French 131. *Credit 3 semester hours*.
231. *Intermediate French*. Continued stress on pronunciation and the understanding of the spoken French. *Credit 3 semester hours*.
232. *Intermediate French. French Composition*. Written themes based on the reading and individual projects. Special study of idioms and tense uses. Prerequisite: French 231. *Credit 3 semester hours*.
331. *Survey of French Civilization to 1715*. A general survey of French civilization from the beginnings to 1715, with the major illustrative reading. Instruction in French. Prerequisite: credit for a major from 232. *Credit 3 semester hours*.
332. *Survey of French Civilization, 1715-1900*. A general survey of the eighteenth and nineteenth centuries, with illustrative readings. Instruction in French. Prerequisite: French 331. *Credit 3 semester hours*.
333. *Practical French*. Exercices pratiques de grammaire et de composition francaises (phonétiques et pratiques oraux compris). Les règles discutees en francais. La classe en francais. Necessaire: le francais 232. *Le mérite: 3 points (heures) par semestre*.
334. *Phonetics and Oral French*. A study of pronunciation, including sound production. Intonation of the spoken phrase. Careful reading of more difficult modern texts with increased attention to their character as literature. Continued study of idioms. Oral practice. Prerequisite: French 333. Instruction in French. *Credit 3 semester hours*.
431. *French Literature of the 18th Century*. Study of Tragedies, Comedies, and Dramas of the period. For French majors only. Course in French. *Credit 3 semester hours*.
432. *French Literature of the 19th Century*. In this course will be studied the most important romantic and realistic dramas. For French majors only. Course conducted in French. *Credit 3 semester hours*.
433. *Advanced Studies in French Conversation, Grammar, Composition, and Oral Practice*. For majors only. Instruction in French. *Credit 3 semester hours*.
434. *French Literature of the 17th Century*. In this course are studied the masterpieces of the 17th Century. The works of Corneille, Racine, Moliere, and Lafontaine. For French majors only. The course is conducted in French. *Credit 3 semester hours*.
- French 435. *French Literature from the Origin through the Renaissance*. The literature of France in its beginnings and development through the Middle Ages and the Renaissance. This course is conducted in French. (1969-1970 and alternate years) Fall semester. *Credit 3 semester hours*.



French 436. *French Literature of the Twentieth Century*. The principal literary trends and significant writers since 1900. This course is conducted in French (1969-1970 and alternate years) Spring semester. *Credit 3 semester hours.*

### GERMAN

131. *Elementary German*. Designed to enable the student to understand easy German, written or spoken. *Credit 3 semester hours.*
132. *Elementary German*. Second half of the elementary course. Prerequisite German 131. *Credit 3 semester hours.*
231. *Intermediate German*. Consists of practice in reading, including sight translation, to enable the student to use German as a tool subject. Prerequisite: German 132. *Credit 3 semester hours.*
232. *Intermediate German*. Continued emphasis on spoken and written German. Prerequisite: German 231. *Credit 3 semester hours.*

### SPANISH

A minor in Spanish shall consist of fifteen hours beyond the Freshman year or a total of twenty-one semester hours.

131. *Elementary Spanish*. Designed to develop the skills necessary for oral and written expressions. *Credit 3 semester hours.*
132. *Elementary Spanish*. Continued practice in the skills of oral and written expressions. Prerequisite: Spanish 131. *Credit 3 semester hours.*
231. *Intermediate Spanish*. Further practice in conversation and composition. Analysis of the basic grammatical principles. Prerequisite: Spanish 132. *Credit 3 semester hours.*
232. *Intermediate Spanish*. Continued emphasis on spoken and written Spanish. Prerequisite: Spanish 231. *Credit 3 semester hours.*
331. *Advanced Spanish Grammar, composition and conversation*. Selected readings in Spanish and Latin-American Literature. For students who want intensive oral and written work in Spanish. Prerequisite: Spanish 232.
332. *Advanced Spanish Grammar, composition and conversation*. Select readings in Spanish and Latin-American Literature. For students who want intensive oral and written work in Spanish. Prerequisite: Spanish 331.
333. *Survey of Spanish and Spanish-American Literature to 1700*. Lectures, readings, discussions, and reports conducted in Spanish.
334. *Survey of Spanish and Spanish-American Literature since 1700*. Lectures, readings, discussions, and reports conducted in Spanish. Prerequisite: Spanish 333.
431. *The Golden Age of Spanish Literature . . . the most important works*. Lectures, readings, discussions, and reports. In this course are studied the masterpieces of the Golden Age. Conducted in Spanish. Prerequisite: Spanish 332.

## MUSIC DEPARTMENT

### Music Education Major

The degree of Bachelor of Arts with a major in Music Education is designed for students who wish to be certified in public school music. The Music Education program prepares the student for the North Carolina "A" grade certificate for elementary and high school teaching.

The major in Music Education, *General Program* (Piano and Voice emphasis) consists of fifty-five (55) semester hours credit. A summary of these courses is as follows: Theory, eighteen (18) semester hours, Music Appreciation, History and Literature, nine (9) semester hours, Conducting, two (2) semester hours, Music Education, six (6) semester hours and twenty (20) hours of applied music as outlined by the department.

The major in Music Education, *Instrumental Program*, consists of sixty (60) semester hours credit. A summary of these courses is as follows: Theory, eighteen (18) semester hours, Music Appreciation, History and Literature, nine (9) semester hours, Conducting, two (2) semester hours, Orchestration, four (4) semester hours, Music Education, six (6) semester hours and twenty-one (21) semester hours of applied music as outlined by the department.

A minor in music consists of twenty (20) semester hours, including eight (8) semester hours of theory, six (6) semester hours of Music Appreciation or History and Literature and six (6) semester hours of approved electives.

All Music Education majors must complete the professional and certification courses as outlined by the Department of Education, including Education 463, Student Teaching in the Secondary School.

All students majoring in music must pass a piano proficiency examination.

The program of study for the major or minor in music should begin in the freshman year.

All music majors and minors are required to participate in ensemble work for four years and each music major is required to present a recital in his major instrument during his senior year.

### MUSIC THEORY

331-332. *The Fundamentals of Music*. An introductory course in music, including fundamentals of music notation and terminology, use of keyboard, rhythmic activity, aural and written theory. Three class hours and one one-hour laboratory period a week. *Credit 3 semester hours each semester*.

323-324. *Written Theory (Harmony)*. First semester: Study of chord formations, simple modulations, suspensions, secondary seventh chords, the dominant ninth and its inversions. Second semester: The study of figured basses, chromatic alterations, modulations by means



of altered chords, songforms and original work. Three class hours and one one-hour laboratory period a week. *Credit 3 semester hours each semester.*

325-326. *Aural Theory (Sight-Singing and Ear-Training).* Systematic training in the fundamentals of sight-singing and ear-training. Two class hours and one one-hour laboratory period a week. *Credit 2 semester hours each semester.*

422. *Conducting.* A study of the technique of conducting instrumental and vocal groups. *Credit 2 semester hours.*

423-424. *Orchestration.* A study of instruments of the orchestra together with the practical study of the art of symphonic scoring. *Credit 2 semester hours each semester.*

425. *Form and Analysis.* A study of the small part-forms through the larger part-forms. *Credit 2 semester hours.*

426. *Counterpoint.* An intensive survey of tonal counterpoint. *Credit 2 semester hours.*

## APPLIED MUSIC

### PIANO

113-114. *Piano (Individual).* Instruction to meet the needs of students at various stages of proficiency. One half-hour lesson per week. Two or three hours of practice daily. *Credit 1 semester hour each semester.*

213-214. *Piano (Individual).* Additional technique and repertoire materials. One half-hour lesson per week. Two to three hours of practice daily. *Credit 1 semester hour each semester.*

313-314. *Piano (Individual).* Continuation of advanced technique and literature. One half-hour lesson per week. Two to three hours practice daily. *Credit 1 semester hour each semester.*

413-414. *Piano (Individual).* Continuation of advanced technique and literature. One half-hour lesson per week. Two to three hours of practice daily. *Credit 1 semester hour each semester. Senior recital.*

423-424. *Piano (Individual).* Two half-hour lessons per week. *Credit 2 semester hours each semester.*

### ORGAN

117-118. *Organ (Individual).* Students must demonstrate ability to play the piano fluently, have a working knowledge of scales, triads, arpeggios; sight read accurately. Principles of organ touch and technique. Preparatory manual and pedal studies. Selected pieces from standard organ repertoire. One half-hour lesson per week. *Credit 1 semester hour each semester.*

217-218. *Organ (Individual).* Manual and pedal studies continued. Hymn and service playing. Repertoire selected to meet needs of students. One half-hour lesson per week. *Credit 1 semester hour each semester.*

- 317-318. *Organ (Individual)*. Advanced pedal and manual studies continued. Simple modulations at the organ; transpositions, improvisations. Repertoire building continued. One half-hour lesson per week. *Credit 1 semester hour each semester.*
- 417-418. *Organ (Individual)*. Continuation of the above. Senior Recital. One half-hour lesson per week. *Credit 1 semester hour each semester.*
- 427-428. *Organ (Individual)*. Two half-hour lessons per week. *Credit 2 semester hours each semester.*

### VOICE

- 115-116. *Voice*. Study and principles of voice production, examination and evaluation of solo materials, classification of voices. This course is the prerequisite for advanced courses in voice. Two class hours per week. *Credit 1 semester hour each semester.*
- 215-216. *Voice (Individual)*. Continuation of Voice 115-116. One half-hour lesson per week. One to two hours practice daily. *Credit 1 semester hour each semester.*
- 315-316. *Voice (Individual)*. Continuation of Voice 215-216. One half-hour lesson per week. One to two hours practice daily. *Credit 1 semester hour each semester.*
- 415-416. *Voice (Individual)*. Continuation of Voice 315-316. One half-hour lesson per week. One to two hours practice daily. Senior Recital. *Credit 1 semester hour each semester.*
- 425-426. *Voice (Individual)*. Two half-hour lessons per week. *Credit 2 semester hours each semester.*

### ORCHESTRAL INSTRUMENTS

- 610-611. *String Class*. For the beginner. Individual and ensemble playing of exercises, scales, arpeggios and easy composition. Two class hours per week. *Credit 1 semester hour each semester.*
- 612-613. *Strings (Individual)*.
- 614-615. *Strings (Individual)*.
- 616-617. *Strings (Individual)*.
- 618-619. *Strings (Individual)*.  
A study of the technique and repertoire of the chosen instrument.  
One half-hour lesson per week. *Credit 1 semester hour each semester.*
- 620-621. *Strings (Individual)*.  
A study of the technique and repertoire of the chosen instrument.  
Two half-hour lessons per week. *Credit 2 semester hours each semester.*
- 710-711. *Woodwind Class*. For the beginner. Individual and ensemble playing of exercises, scales, arpeggios and easy compositions. Two class hours per week. *Credit 1 semester hour each semester.*



712-713. *Woodwind (Individual).*

714-715. *Woodwind (Individual).*

716-717. *Woodwind (Individual).*

718-719. *Woodwind (Individual).*

A study of the technique and repertoire of the chosen instrument.

One half-hour lesson per week. *Credit 1 semester hour each semester.*

720-721. *Woodwind (Individual).*

A study of the technique and repertoire of the chosen instrument.

Two half-hour lessons per week. *Credit 2 semester hours each semester.*

810-811. *Brass and Percussion Class.* For the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions. Two class hours per week. *Credit 1 semester hour each semester.*

812-813. *Brass and Percussion (Individual).*

814-815. *Brass and Percussion (Individual).*

816-817. *Brass and Percussion (Individual).*

818-819. *Brass and Percussion (Individual).*

A study of the technique and repertoire of the chosen instrument.

One half-hour lesson per week. *Credit 1 semester hour each semester.*

820-821. *Brass and Percussion (Individual).*

A study of the technique and repertoire of the chosen instrument.

Two half-hour lessons per week. *Credit 2 semester hours each semester.*

## MUSIC EDUCATION

### (Public School Music)

231. *Music Appreciation for the Elementary School Teacher.* Designed for the grade school teacher who is not a music specialist and covers methods, materials and activities in music appreciation. *Credit 3 semester hours.*

339. *The Teaching of Music in Elementary School.* Principles, objectives, material and procedures for meeting the needs of the music teacher in elementary schools. *Credit 3 semester hours.*

432. *The Teaching of Music in the Secondary School.* Principles, objectives, materials, and procedures for meeting the needs of the music teacher in secondary schools. *Credit 3 semester hours.*

## MUSIC APPRECIATION, HISTORY AND LITERATURE

131. *Music Appreciation.* First semester: An introduction to the appreciation of music designed as a cultural course to acquaint students with the major factors involved in intelligent listening and the importance of the art as a whole. *Credit 3 semester hours.*

337-338. *Music History and Literature.* A general survey of the development of music from primitive sources to the present day. *Credit 3 semester hours each semester.*

### ENSEMBLES

- 1H1-1H2. *Vocal Ensemble (University Choir)*. This course presents choral music of the best type in performances of the highest possible standard. Members are chosen by examination. Appearances at various college and church functions throughout the year is required of those taking the course. Five laboratory hours per week. *Credit one-half hour each semester. (Credit for additional years participation in the choir will be granted on the same basis.)*
- 1H3-1H4. *Instrumental Ensemble (University Band)*. This course presents instrumental music of the best type in performance of the highest possible standard. *Credit one-half hour each semester. (Credit for additional years participation will be granted on the same basis.)*
- 1H5-1H6. *Orchestral Ensemble (University Orchestra)*. This course presents orchestral music of the best type in performance of the highest possible standard. *Credit one-half hour each semester. (Credit for additional years participation will be granted on the same basis.)*
- 1H7-1H8. *Chamber Music Ensemble*. This course presents chamber music of the best type in performance of the highest standard. *Credit one-half hour each semester. (Credit for additional years participation will be granted on the same basis.)*

### DEPARTMENT OF RELIGIOUS EDUCATION AND PHILOSOPHY

This department seeks to aid the student in gaining an understanding of the great religions and ethical insights of the Hebrew-Christian religion against a background of the living religions of the world along with a measure of understanding of the main currents of thought in Western philosophy.

#### RELIGIOUS EDUCATION

Major: A major consists of 30 hours. (A) Majors may choose to teach Bible in secondary schools and churches and to serve as lay leaders in Christian Education. (B) Majors may choose to prepare themselves for graduate study at the professional level for Christian vocations, college teaching, and the ministry.

Major in Religion (A): 132, 133, 334, 335, 336, 432, 425, 323, and courses in related fields.

Major in Religion (B): 132, 133, 334, 335, 336, 432, and selected courses in Philosophy including Introduction, Ancient, and Modern.

Minor: A minor consists of 20 hours and must include 130 or 132, 131 or 133, and 334.

130. *The Judeo-Christian Heritage*. The essential insights and ideas of the Old and New Testaments and their continuing values for man today.
131. *Survey of the Great Living Religions*. A study of the living religions in light of their historical development, their beliefs, practices, and contemporary importance.



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- 132a-132b. *Old Testament Studies*. An introduction to the literature, history, and faith of the Hebrew people.
- 133a-133b. *New Testament Studies*. An introduction to the Gospels, Acts and later books of the New Testament.
222. *The Bible and the Human Quest*. Survey of great passages of the Bible; Biblical insights and the problems and needs of men.
322. *The Program of the Church*. A study of the function of the church; consideration of the church's work with children, youth, and adults.
323. *Worship*. A study of the role of worship in Christian living, including the nature, methods, and materials of public worship. Prerequisite: 6 hours of religion.
334. *Church History*. A study of the rise and growth of the Christian Church, with attention given to the American Churches and their function in contemporary life. Prerequisite: 6 hours of religion.
335. *Prophets and Poets of the Old Testament*. A study of the role of the prophets, poets and wise men in Hebrew religion; the value of this literature for life today. Prerequisite: 6 hours of religion.
336. *Paul and the Later Books of the New Testament*. A study of the theology of Paul and the early Church; the value of Paul's Theology for contemporary living. Prerequisite: 6 hours of religion and/or philosophy.
423. *Materials and Methods in Teaching Bible*. The functional use of the Bible in Contemporary life; survey and evaluation of materials and methods; adaptation and construction of lessons. Prerequisite: 15 hours of religion.
424. *The Black Man and Religious Institutions*. A study of the ideas and practices of religious institutions in relation to black people. Prerequisite: 6 hours of religion and/or philosophy.
425. *Religion and Personality*. A study of the meaning of religion within the insights, values and motives of human experience. Prerequisite: 6 hours of religion; 3 hours of psychology.
432. *Problems of Religious Thought*. The continuing problems of religion and such solutions as are offered to them by recent thinkers. Prerequisite: 6 hours of philosophy and/or religion.
433. *Religious Ideas in Literature*. A study designed to explore with the student certain interpreters of reality who are concerned with the predicament of modern man. Prerequisite: 6 hours of religion and/or philosophy.
435. *Independent Study or Seminar*. Investigation of some aspects of religion or an interdisciplinary approach to a religious subject. Prerequisite: consent of the department.

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## DEPARTMENT OF PHILOSOPHY

### *Major and Minor in Philosophy.*

A major in Philosophy consists of 27 hours and must include Introduction, Ethics, Logic, Ancient, Modern, and the Seminar. In addition, the major student is required to complete 12 hours in a related field chosen in consultation with his major advisor.

A minor in Philosophy consists of 15 hours and must include Introduction, Logic, Ancient and Modern.

131. *Introduction to Philosophy.* A course designed to introduce the students to methods of philosophical inquiry and to representative philosophical concepts.
231. *Ancient Philosophy.* The history of philosophical thought in the Greco-Roman world, from the Ionians to the Roman Stoics. Prerequisite: 131.
232. *The Philosophy of the Middle Ages.* The history of philosophical thought during the Age of Faith, from the Neo-Platonists to the Nominalists. Prerequisite: 231.
233. *Logic.* A survey of basic problems of logic with particular emphasis upon the formal aspects of reasoning and the problems of induction and probability. Prerequisite: 131.
234. *Ethics.* A study of fundamental moral concepts in order to test their validity as a source and ground for making ethical decisions in the world of today. Prerequisite: 131.
235. *Aesthetics.* An analysis of the aesthetic experience and aesthetic values; readings in representative theories of art. Prerequisite: permission of the instructor.
236. *Oriental Philosophy.* An introduction to Indian and Chinese philosophy.
331. *History of Modern Philosophy.* The history of philosophical thought from the Renaissance to the nineteenth century. Prerequisite: 231.
332. *Contemporary Philosophy.* Philosophical thought in the twentieth century; selected studies in Pragmatism, Analytic Philosophy, Continental Philosophy, and other recent philosophical positions. Prerequisite: 331.
333. *Philosophy of Religion:* A philosophical investigation of such topics as faith and reason, religious language, the nature and existence of God, the religious view of man. Prerequisite: 131.
334. *Mysticism in the Western World.* A study of Western mysticism; readings in the works of Christian mystics from New Testament times to the present. Prerequisite: permission of the instructor.
335. *Symbolic Logic.* An introduction to the principles and systems of symbolic or mathematical logic. Prerequisite: 233.
336. *Philosophy of Science.* The general nature of scientific thought as indicated by the criteria of knowledge, methods and presuppositions of science. Prerequisite: 233.



431. *Philosophy of Community.* A study of the philosophical issues and implications involved in living together in the Urban Age; readings in the contemporary literature of social commentary. Prerequisite: 131, senior standing, permission of the instructor.
432. *Seminar in Philosophy.* Advanced research on selected topics. Prerequisite: permission of the instructor.

## DIVISION II. THE SOCIAL SCIENCES

*Description and Requirements.* The Division of the Social Sciences is composed of the following areas: Economics, History, Political Science, and Sociology. A major is offered in each of these areas. Students majoring in any area in the Division of the Social Sciences are required to complete at least one course in each area in the Division. A student may also complete a major in a combination of courses in the Division as described below.

*Major in the Social Sciences.* A social science major consists of forty-five (45) semester hours of course work. The student's course of study must be arranged so as to meet the following requirements: (a) twenty-one (21) semester hours of history, (b) twenty-one (21) semester hours elected from three or more of the social science areas exclusive of history, (c) twenty-six (26) semester hours of concentrated study in one of the social science areas.

231. *Survey of Social Science.* A survey of social science data and viewpoints resulting from an intensive and systematic study of social life. *Credit: 3 semester hours.*
436. *Social Science Seminar.* This course is conducted by selected members of the division faculty. The objective is to help the student achieve a synthesis of social science knowledge. Open to juniors and seniors majoring in the social sciences or some one of its disciplines. *Credit: 3 semester hours.*

## BUSINESS ADMINISTRATION AND ECONOMICS

### Business Administration and Economics

The Department of Business Administration and Economics has a three-fold purpose:

1. To give basic courses for all students in the college.
2. To provide pre-professional training for business, law, public administration, foreign service, civil service, politics, and other professions.
3. To give a basis for further study and teaching of Economics, Business, and the Social Sciences.

The department offers the Bachelor of Arts Degree in Economics, and the Bachelor of Science Degree in Business Administration.

### ECONOMICS

*Major Requirements:* Thirty (30) semester hours in Economics, including Economics 131-132, 337, 338, 339, 431 and Accounting 235.

*Minor Requirements:* Eighteen (18) semester hours in Economics, including Economics 131-132, 337, and 338.

- 131-132. *Principles of Economics.* An introductory course in principles and theories of economics. *Credit 6 semester hours.* Two semesters. (non-majors take 131.)
331. *Money and Banking.* Credit instruments, problems of prices, banking systems and institutions. *Credit: 3 semester hours.*
332. *Labor Economics and Manpower Resources.* Modern industrial employment and wage system. Consideration is given to manpower problems, industrial unrest and labor law. *Credit: 3 semester hours.*
333. *Economic Development of Europe.* Reading and discussion of the more important economic ideas and institutions from early to recent times. *Credit 3 semester hours.* Offered on demand.
334. *Economic Development of the United States.* Regional development of agriculture, commerce, manufacturing and banking institutions. *Credit: 3 semester hours.*
335. *International Economics and Social Problems.* A comprehensive view of the international field of exchange, production and distribution. *Credit 3 semester hours.*
336. *Development of Economic Thought.* A detailed and careful study of the history of our economic doctrines from earliest thinkers down to the present day contributors to economic thought. *Credit 3 semester hours.*
337. *Intermediate Economic Theory: Microeconomics.* Value and distribution theory, including the theory of household behavior and the theory of the firm. *Credit 3 semester hours.*
338. *Intermediate Economic Theory: Macroeconomics.* Analysis of the level of national income, employment, and the price level. *Credit 3 semester hours.*
339. *Business and Economic Statistics.* Methods in tabulating and charting, sampling, use of averages, measurements of dispersion, probability and index numbers. *Credit 3 semester hours.*
431. *Industrial Organization and Regulation of Business.* Market structures and alternative public policies concerning them. Theoretical concepts will be evaluated in light of empirical evidence. *Credit: 3 semester hours.*
432. *Research in Economics.* A study of the methods in business and governmental research and analysis and the proper presentation of research findings. *Credit: 3 semester hours.*



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### Business Administration

The courses offered provide specialized concentration in three areas: General Business, Accounting, and Marketing. Each student is required to choose one area of concentration. The three fields have a number of basic courses in common, and then continue with those most suitable for the desired specialization.

#### Areas of Concentration

##### General Business

Requirements: A major in General Business consists of 36 semester hours in Business, including Business 331, 433-434, Accounting 235-236, Marketing 531, Economics 131-132, and Economics 339.

- 121. *Personal and Family Finance.* To analyze financial decisions and judgments which the average individual and family make during a lifetime. *Credit 2 semester hours.*
- 431. *Principles of Insurance.* A study of the economic and social services as well as the techniques and underlying principles of insurance. *Credit 3 semester hours.*
- 433-434. *Business Law.* A course in the elements of business law. *Credit 6 semester hours.* Two semesters.
- 432. *Fundamentals of Real Estate.* Analyzes the nature of transactions involved in the acquisition and use of real estate, and the nature of real estate markets. Deals with real estate problems from the standpoint of business administrators, brokers, and property owners. *Credit 3 semester hours.*
- 436. *Principles of Management.* The principles and techniques underlying the successful organization and management of business activities. Attention is given to planning, staffing, directing and controlling industrial enterprises. *Credit 3 semester hours.*
- 437. *Personnel Management.* This course is a study of the basic principles of management; employment procedures, testing, training, remuneration plans, handling of grievances, promotion, and transfer of personnel records. *Credit 3 semester hours.*
- 438. *Corporation Finance.* A study of theories, procedures, institutions, instruments, problems, and policies that are involved in the acquisition and use of money by small and large business corporations. *Credit 3 semester hours.*
- 636-637. *Fundamental of Data Processing.* An introduction of the broad concepts of data processing. Emphasis is placed upon the theory and mechanics of the various systems. *Credit 6 semester hours.*
- 439. *Production Control.* Development of ability to analyze and solve production problems and formulate production policies. Introduction to quantitative techniques in production management. *Credit 3 semester hours.*

### Accounting

Requirements: A major in Business Administration with a concentration in accounting requires completion of 24 semester hours of accounting and Economics 131-132 and Economics 339.

231. *Technique of Digital Computing I.* See department of mathematics.
- 235-236. *Principles of Accounting.* The fundamental element of accounting. Two semester course. *Credit 6 semester hours.*
- 435-436. *Intermediate Accounting.* A study of higher and more technical principles of accounting. Case studies included. *Credit 6 semester hours.*
531. *Federal Income Taxes.* A course in the fundamentals of federal income tax relating to individuals, partnerships, and corporations, including the effect of tax laws upon business decisions. *Credit 3 semester hours.*
532. *Auditing.* This is a study of the purposes and scope of audits and examinations; auditing standards; procedures to the various types of audits and special investigations; and form and scope of report presentation. The theory and practice work includes an integrated case study which involves the preparation of the working papers and the report for a complete audit which is completed during the semester. *Credit 3 semester hours.*
533. *Cost Accounting.* An introductory course designed to acquaint the student with the basic cost principles, job-order cost systems, standard cost and the preparation of budgets. *Credit 3 semester hours.*
534. *Governmental Accounting.* The fundamental basis of accounting for municipal, state and other governmental units are considered. *Credit 3 semester hours.*
536. *Managerial Accounting.* A study of cost determination, cost control, performance evaluation, and financial planning.

### Marketing

Requirements: A major in Business Administration with a concentration in marketing consists of 30 semester hours in Business, including Business 331, 531, Economics 131-132, Accounting 235-236, and Economics 339.

531. *Principles of Marketing.* This course is designed to show the characteristics, history, and functions relating to marketing and the principles involved in mass salesmanship. *Credit 3 semester hours.*
533. *Salesmanship and Sales Management.* A study covering both the theoretical principles and practical application of modern selling with an analysis of the managerial functions.
534. *Advertising.* This course is intended to provide an understanding of advertising—its functions in our way of life, its role in business, how problems. *Credit 3 semester hours.*



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535. *Principles of Retailing*. An introduction to the structure of retailing and problems associated with the management of retail stores of various types. *Credit 3 semester hours*.
536. *Marketing Research*. The nature of marketing problems, problem definition and formulation of hypotheses, theories of measurement, experimented design and survey techniques applied to marketing problems. *Credit 3 semester hours*.
537. *Managerial Marketing*. An analysis of the nature and work of the manager of marketing who organizes, directs, and controls the various functional specialties of marketing. *Credit 3 semester hours*.

### HISTORY

*Major and Minor In History*. For a major in history, the student is required to complete thirty (30) semester hours of course work. For a minor in history, the student is required to complete eighteen (18) semester hours of course work. The courses History 233, 234, 235, and 236 are required for both majors and minors. History majors must also complete Political Science 131, Sociology 131, and Economics 131.

- 233-234. *Western Civilization*. A study of the development of Western civilization from preliterate man to the present. *Credit 6 semester hours*.
235. *History of the United States to 1865*. A study of the United States from its European background to 1865. *Credit 3 semester hours*.
236. *History of the United States since 1865*. A study of the United States from 1865 to present. *Credit 3 semester hours*.
237. *Asian Culture*. A historical survey of the art, literature, philosophy, and religion of Asian civilization. *Credit 3 semester hours*.
238. *Contemporary Asian Culture*. An introductory study of the contemporary problems in art, literature, philosophy, and religion in Asian civilizations. *Credit 3 semester hours*.
331. *The Near East and Greece*. A study of the civilization of the ancient Near East from the Paleolithic period through the History of Greece up to the Hellenistic age. Prerequisite: Junior standing. *Credit 3 semester hours*.
332. *History of Rome*. A study of Rome from the earliest times to the fall of the Western Roman Empire. Prerequisite: History 331. *Credit 3 semester hours*.
333. *History of England to 1603*. A study of England from pre-historic period to 1603. Prerequisite: 6 hours of History or 6 hours of Political Science. *Credit 3 semester hours*.
334. *History of England since 1603*. A study of England from 1603 to the present. Prerequisite: History 333. *Credit 3 semester hours*.

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335. *History of Russia to the Eve of the Great Reforms.* Geography of the Kievan State, the political ideas, institutions and society: Peter the Great: Europeanization: the awakening in literature and thought. Prerequisites: History 233, 234, 235, and 236. *Credit 3 semester hours.*
336. *History of Russia since the Great Reforms.* The effect of the reforms; the agrarian problems; the revolutionary movement: Tsarist Russia; Revolution and Civil War; Communist regime. Prerequisite: History 335. *Credit 3 semester hours.*
337. *Hispanic America.* The colonial period; the growth of Latin American Republics and their relation to one another and to the outside world. Prerequisite: 12 hours of History. *Credit 3 semester hours.*
338. *The Negro in American History.* A study of the Negro's contribution to the American History and civilization; his efforts at racial adjustment and struggle for social justice. Prerequisite: History 235 and 236. *Credit 3 semester hours.*
339. *Constitutional History of the United States.* English and Colonial origins; American Revolution; Formation and adoption of the Constitution; Growth of the judicial power; issue of slavery. Prerequisite: History 235, 236, and 334. *Credit 3 semester hours.*
431. *Europe from 1870.* Unification of Germany; European imperialism; England and its Empire; European system of states; the outbreak of the First World War. *Credit: 3 semester hours.* Prerequisite: History 233, 234, 235, and 236. *Credit 3 semester hours.*
432. *Europe Since 1918.* The Paris peace settlement; Disarmament and reparations; Russian problems; Economic depression; rise of Fascism and Nazism; the Second World War. Prerequisites: 233, 234, 235, and 236. *Credit: 3 semester hours.*
433. *Diplomatic History of the United States to 1877.* A study of the origins and the development of American diplomatic activity in the emphasis upon: neutrality, war, peace, territorial expansion, hemispheric hegemony and orientation toward the Pacific Ocean area. Prerequisite: 12 hours of History. *Credit 3 semester hours.*
434. *Diplomatic History of the United States since 1877.* An analysis of widening diplomatic horizon of the United States in the late nineteenth century and its role as a world power in the twentieth century. Prerequisite: History 433. *Credit 3 semester hours.*
435. *History of Africa to 1800.* The geographical, ethnological, and cultural background of African History. Empires, legitimate trade, slave trade, anti-slave trade, and the mingling of the different people—European and African. *Credit: 3 semester hours.*
436. *History of Africa Since 1800.* Slave trade, abolitions, migrations, conquest for Africa, the colonial period, the rise of African nationalism and after. *Credit: 3 semester hours.*
437. *Africa: Seminar.* An arranged course of study. This course may be taken for credit in either history or political science. Prerequisites: History 435 and 436. *Credit: 3 semester hours.*



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### POLITICAL SCIENCE

The Department of Political Science has as its objectives: (1) Preparing citizens for effective participation in a democratic society, and (2) To give a pre-professional foundation in law and civil service or related areas.

*Major Requirements*—Political Science major—thirty (30) semester hours of course work including Political Science 131, 232, and 333. Political Science minor—eighteen (18) semester hours of course work including Political Science 131. Except by consent of the instructor of the given course, Political Science 131 is a prerequisite for electing other courses contained in the Political Science curriculum. Introductory courses in each of the other social sciences required.

- 131. *American Government.* (formerly Political Science 231) Study of the development, structure, and operation of our national government as a Political system. *Credit three (3) semester hours.*
- 232. *Comparative Government.* A study of selected groups of Political systems. The focus of the course will be upon legitimacy, political socialization, and political integration. *Credit three (3) hours.*
- 327. *Principles of Public Administration.* The organization and function of administrative agencies. Students meet with public officials who are practitioners in the field. *Credit two (2) semester hours.*
- 331. *American Political Parties and Pressure Groups.* History, purposes, organization, and role in the political process of major parties and pressure groups. *Credit three (3) semester hours.*
- 332. *State and Local Government.* A survey of government and politics at the state and local levels in the United States, with emphasis on North Carolina. *Credit three (3) semester hours.*
- 333. *International Politics.* As an introduction to world politics this course provides for an examination of the principles and dynamic forces operating in the world community. *Credit three (3) semester hours.*
- 334. *Government and Politics of Eastern Countries.* A study of government and politics in selected Eastern Countries. *Credit three (3) semester hours.*
- 335-336. *American Constitutional Law.* Introduction to law of the Constitution. Principally concerned with the important and unique role of the Supreme Court as a policy-making body in the American governmental system. The functioning of government within constitutional limitations. Contemporary constitutional problems, and civil rights cases. *Credit three (3) semester hours.*
- 337. *History of Political Theory.* Political thought from Greece to the seventeenth century, including basic writings from Plato to Hobbes. *Credit three (3) semester hours.*
- 338. *History of Political Theory.* Political thought from the seventeenth century to the present, including writings from Locke to the declaration of human rights proposed as the foundation of the United Nations. *Credit three (3) semester hours.*

339. *Politics and Government In Africa*. Comparative colonial systems, the character of Colonial regimes. The influences of World War I, and II. American intellectualism's impact. The party system, independence and various political ideologies in Africa. Social Change and Modernization. *Credit three (3) semester hours*.
431. *Political Science Seminar*. Readings, papers and discussions on selected topics in the area of political science. Prerequisite, permission of instructor. *Credit three (3) semester hours*.
432. *Political Ideologies*. A comparative study of selected political ideologies. *Credit three (3) semester hours*.

### DEPARTMENT OF SOCIOLOGY AND SOCIAL WELFARE

The program of instruction in the department of sociology and social welfare is designed to enrich the general "liberal" education of students and to provide pre-professional and pre-graduate training for those students:

1. who seek careers in sociology or social work professionally.
2. who wish to qualify for service-delivering positions requiring no graduate professional education.
3. who plan to enter related professional fields for which there is no required pre-professional sequence.
4. who seek merely to enhance and make more meaningful their participation as citizens.

A major in sociology consists of 30 semester hours of course work including sociology 438 and sociology 439. A major in sociology with a concentration in social welfare requires that the student complete the sequence of courses herein identified by an asterisk. A minor in sociology consists of 18 semester hours of course work including sociology 131. Except by consent of the instructor, the course sociology 131 is a prerequisite for enrollment in other courses comprising the sociology-social welfare curriculum.

### COURSES AND DESCRIPTIONS\*

121. *Personal and Family Finance*. This course analyzes financial decisions and judgments which are made by the individual and his family. *Credit: 2 semester hours*.
- \*131. *Principles of Sociology* (formerly Sociology 231). An introduction to the viewpoints, basic concepts and methods of sociology. *Credit: 3 semester hours*.
- \*232. *Introduction to Cultural Anthropology*. A survey of the various processes and conditions involved in cultural growth and change from prehistoric times to present. *Credit: 3 semester hours*.
- \*233. *Intergroup Relations*. An analysis of viewpoints, processes and basic factors underlying problems of adjustment between divergent racial or cultural groups. *Credit: 3 semester hours*.

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\*Courses in the sequence of the undergraduate social welfare education.



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- \*331. *Social Disorganization*. An analysis of the impact of social change on the various aspects of society, in their relationship to each other and to the society. *Credit: 3 semester hours.*
- \*332. *Urban Sociology*. A study of the growth, the ecology, the social processes, the organization, and the problems of the urban community. *Credit: 3 semester hours.*
- \*333. *Rural Sociology*. A description and analysis of the basic processes involved in rural community living. *Credit: 3 semester hours.*
- \*334. *Community Organization*. A study of the processes involved in effecting an adjustment between social welfare needs and the community resources within a geographic area. *Credit: 3 semester hours.*
335. *Collective Behavior*. An examination of the factors and processes leading to non-institutional group patterns of action. *Credit: 3 semester hours.*
- \*337. *Juvenile Delinquency*. An analysis of the anti-social behavior of youth with emphasis on causes, consequences and efforts at prevention. *Credit: 3 semester hours.*
- \*338. *Social Problems*. A sociological treatment of contemporary social problems. *Credit: 3 semester hours.*
- \*430. *Field Experience*. This course will assist students in acquiring first-hand knowledge of community agencies.  
Prerequisite: Sociology or Social Welfare Majors, seniors, consent of department. *Credit: 3 semester hours (Spring semester)*
- \*431. *Social Psychology*. (identical with Psychology 431). An analysis and interpretation of the social development of the individual. *Credit: 3 semester hours.*
- \*432. *The Family*. An examination of the structure and functioning of the family as a social institution. *Credit: 3 semester hours.*
433. *Fundamentals of Statistics*. An introduction to the elementary form of statistical analysis and procedures. *Credit: 3 semester hours.*
434. *Criminology*. An examination of crime as a social phenomena and the methods of prevention and control. *Credit: 3 semester hours.*
435. *Population*. A critical analysis of population characteristics in their implications for the structure and functioning of society. *Credit: 3 semester hours.*
436. *Honors Program*. An arranged program of independent study and research. *Credit: 3 semester hours.*
- \*437. *Introduction to the Field of Social Work*. A survey course including a history of social welfare and a comparison of the methods of casework, groupwork, and community organization. *Credit: 3 semester hours.*

- \*438. *The Development of Social Theory.* An analysis of the emergence and development of sociological theory. Prerequisite: 9 semester hours of sociology or consent of the instructor. *Credit: 3 semester hours.*
- \*439. *Social Research.* An introduction to the techniques and methods of scientific inquiry. Prerequisite: 9 semester hours of sociology or by consent of instructor. *Credit: 3 semester hours.*
- \*530. *Introduction to Social Welfare.* An introductory course presenting the development of the institution of Social Welfare, public and voluntary from its English background to present. *Credit: 3 semester hours.*
- \*531. *Introduction to Social Casework.* An introduction to the principles, methods and techniques which form the basis of social casework practices. *Credit: 3 semester hours.*
- \*532. *Social Welfare as a Social Institution.* This course assesses the philosophy, development, behavior, current trends and dynamics of Social Welfare as a cognate institution in the social system. *3 semester hours.*
- \*533. *Seminar in Social Welfare.* Students interpret data from field experience in the light of previously established concepts of social welfare methods of Social Work practice. The seminar is held weekly. *3 semester hours.*
- \*534. *Social and Rehabilitative Services.* A comprehensive study is made of selected social service programs on the local, state and national level. Attention is given to both public and private agencies. The Social Security Act and the Economic Opportunity Act are the major pieces of legislation to be studied. *Credit: 3 semester hours.*

### DIVISION III. EDUCATION AND PSYCHOLOGY

The organization of this Division includes the following Departments: Education, Physical Education & Health, and Psychology.

Students may secure majors in elementary education, physical education and health, and psychology. Art and geography are provided for elementary education majors and for those in other fields needing these subjects in order to qualify for certification.

#### ART

- 331. *Art for the Elementary School.* The purpose of this course is to teach skills which will facilitate art work in the elementary school. Emphasis is placed on creative developmental ability. Two two-hour class meetings each week. *Credit: 3 semester hours.*
- 436. *Art Appreciation.* This course is offered for the purpose of developing in the student a sense of appreciation for the beauty of architecture, painting, sculpture, pottery, and textiles. Two one-hour

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\*Courses in sequence of the Undergraduate Social Welfare education.



lecture periods and one two-hour laboratory period each week. *Credit 3 semester hours.*

### GEOGRAPHY

131. *Introduction to Geography.* Cultural and Physical Elements. A study of the basic cultural and physical elements of geography; emphasis is on climate, soils, natural vegetation, population distribution, and general land-use. *Credit: 3 semester hours:*
132. *World Regional Geography.* The World. Prerequisite: 131. Analysis of the physical and cultural features that characterize and differentiate the geographical landscapes and regions of the world. *Credit: 3 semester hours.*
231. *Economic Geography.* An analysis of the geographical problems of economic development in selected regions of the world and classical location theory. *Credit: 3 semester hours.*
232. *Geography of North Carolina.* A systematic and regional treatment of the geography of North Carolina including physical, cultural, and economic aspects and detailed studies of special regions. *Credit: 3 semester hours.*
233. *Geography of Africa.* Analysis of the physical and cultural features that characterize and differentiate the geographic landscapes and regions of Africa. *Credit: 3 semester hours.*
235. *Urban Geography.* A study of the origin, development, distribution, and regional variation of the world's cities, with emphasis on an analysis of the functions and patterns of American cities. *Credit: 3 semester hours.*
334. *Political Geography.* Intensive study of the theories and principles of political geography and German geopolitics; current problems in domestic and international affairs are considered. *Credit: 3 semester hours.*
336. *Seminar in Geography.* Prerequisites: 131 and 132. Research projects growing out of courses 131, 132, 231, and 235. *Credit: 3 semester hours.*

### TEACHER EDUCATION

The Department of Education provides the professional instruction needed by students who are preparing to teach on the elementary and secondary school levels and for persons interested in education and child development as parents and citizens. Those who plan to teach in public elementary and secondary schools are provided with the basic training which meets the requirements for certification in most of the states of the United States.

#### Requirements for Admission to the Program of Teacher Education

A formal application to enter the program of teacher education must be filed with the Head of the Department of Education at the beginning of the second semester of the sophomore year. A prospective teacher starts his professional training at the beginning of the junior year. The successful

applicant for admission to the program of teacher education must satisfy the following requirements:

1. Have a cumulative grade point average of 2.5 or higher through the first semester of the sophomore year.
2. Make a raw score of 50 or more on the Diagnostic Reading Test.
3. Present a health certificate indicating good mental and physical health.
4. Present a certificate of good character from the Dean of Students.
5. Present a certificate of speech proficiency signed by one of the University's speech instructors.
6. Be approved by the Head of his major department.
7. Be approved by the Teacher Education Screening Committee.

Students who plan to teach in elementary schools should major in Elementary Education.

Students who plan to teach in secondary schools should select majors and minors in the various subject matter areas. They will need to take certain courses in education and psychology in order to satisfy the requirements for certification (viz., Education 221, 233, 425, and 463); and Psychology 239 and 237. They must also take a course in "Materials and Methods" of teaching their major subject (see Education 328, 420, 422, 424, 428, 429, or 434 under "Teaching and Practicum") and Physical Education 226 (Community Health). It is highly recommended that students prepare themselves to teach two subjects.

Attention is drawn to the requirement that all students who plan to do student teaching during their Senior year must file an "Application for Student Teaching" with the Head of the Department of Education at the beginning of the semester prior to the one in which the student teaching is to be done, e. g., if the student teaching is to be done during the second semester, the application is to be filed at the beginning of the first semester and if the student teaching is to be done during the first semester, the application should be filed at the beginning of the Spring semester of the previous year.

### Professional Requirements

The minimum professional requirements for both elementary and high school teachers' certificates are listed under the following headings: "The School," "The Pupil," and "Teaching and Practicum." The specific courses required in education and psychology are: For primary and grammar grade certificates—Education 221, Education 425, Elementary Education 222, Elementary Education 465 and Psychology 239 and 235, for high school certificates—Education 221, 233, 425, and 463 (and the appropriate course in "Materials and Methods" of teaching the student's major subject) and Psychology 239 and 237.



Sequence of Professional Education Courses for Secondary Majors  
Junior Year

First Semester		Second Semester	
Course	Semester Hours	Course	Semester Hours
Major and Electives -----	15	Major and Electives -----	12
Education 221 ----- (The School as a Social and Educational Insti- tion)	2	Education 233 ----- (The Secondary School) *Physical Education 226-- (Community Health)	3 2
Total -----	17	Total -----	17

Senior Year

First Semester		Second Semester	
Course	Semester Hours	Course	Semester Hours
Education 425 ----- (Measurement and Evaluation)	2	Special Methods ----- Education 437 ----- (Philosophy of Education)	2 3
Psychology 237 ----- (Adolescent Psychology)	3	Psychology 239 ----- (Educational Psychology)	3
Major and Electives -----	12	Education 463 ----- (Student Teaching in the Secondary School)	6
Total -----	17	Total -----	14

CURRICULUM FOR ELEMENTARY EDUCATION MAJORS  
Freshman Year

First Semester		Second Semester	
Course	Semester Hours	Course	Semester Hours
English 131 Composition -----	3	English 132 Composition -----	3
Foreign Language 131---	3	Foreign Language 132 ---	3
Mathematics 132 Principle of Mathe- matics -----	3	Mathematics 133 Fundamental Algebra--	3
Biology 131 Introductory Biology --	3	Music 231 Music Appreciation ---	3
Physical Education 120 Personal Hygiene -----	2	Physical Education 222 Physical Education in The Elementary School_	2
Art 436 Art Appreciation -----	3	Art 331 ----- (Art for the Elementary School)	3
Total -----	17	Total -----	17

\* This is not a professional education course but it is a University Requirement for all students preparing to teach in secondary schools.

Sophomore Year					
First Semester			Second Semester		
Course	Semester	Hours	Course	Semester	Hours
English 231			English 232		
General Literature ----		3	General Literature ----		3
Foreign Language 231 --		3	Foreign Language 232 --		3
Political Science 131			History 236		
American Government -		3	History of the U. S.		
History 235			since 1865 -----		3
History of the U. S.			*Religion 130		
since 1865 -----		3	The Judeo-Christian		
Psychology 131			Heritage -----		3
General Psychology I --		3	OR		
Practice			*Religion 131		
Phy. Ed. 114 or 115 -----		1	Survey of the Great		
			Living Religions ----		3
			Elementary Education 334		
			Science in the		
			Elementary School --		3
			Mathematics 321		
			Fundamental Geometry		2
Total -----		16	Total -----		17

Junior Year					
First Semester			Second Semester		
Course	Semester	Hours	Course	Semester	Hours
Education 221			Elementary Education 222		
The School as a Social			The Elementary School_		2
and Educational			Elementary Education 336		
Institution -----		2	Language Materials		
Elementary Education 333			and Methods -----		3
Teaching Arithmetic in			English 336		
the Elementary			Advanced Grammar and		
School -----		3	Composition -----		3
Geography 131			Geography 132		
Introduction to			Regional Geography ---		3
Geography -----		3	Music 339		
World Civilization -----		3	Teaching Music in the		
*Philosophy 131			Elementary School --		3
Introduction -----		3	Elementary Education 337		
OR			Teaching Social Studies		
*Philosophy 233			in the Elementary		
Logic -----		(3)	School -----		3
OR					
*Philosophy 234					
Ethics -----		(3)			
Physical Education 110					
Swimming -----		1			
Total -----		17	Total -----		17

\*Sequence of courses in Philosophy and Religion is elective. A student may take these courses in either year and may choose all Philosophy, all Religion or a course in each.



Senior Year

First Semester		Second Semester	
Course	Semester Hours	Course	Semester Hours
First Semester		Second Semester	
Education 425		*Education 437	
Measurement and		Philosophy of Education	3
Evaluation -----	2	Elementary Education 465	
Elementary Education 335		Student Teaching in	
Reading in the Elementary		the Elementary School -	6
School -----	3	*English 235	
Elementary Education 338		Children's Literature --	3
Materials & Methods of		*Psychology 239	
Elementary School		Educational Psychology	3
Teaching -----	3		—
Contemporary Issues 430		Total -----	15
Senior Seminar -----	3		
Psychology 235			
Child Psychology -----	3		
Physical Education 334			
Principles, Practices, &			
Procedures in Health			
Education for Elementary			
School -----	3		
	—		
Total -----	17		

The School

A. Elementary Education Majors

1. Education 221. *The School As A Social and Educational Institution.* This course is a comprehensive study of the school, including its history, its philosophy and aims, and its role in a democratic society. Required of all candidates for a teacher's certificate. *Credit 2 semester hours.*
2. Elementary Education 222. *The Elementary School.* This course gives special attention to the philosophy, aims, principles, and practices of education as they relate to the elementary school. Required of all candidates for either the Primary Teacher's Certificate or the Grammar Grade Teacher's Certificate. Prerequisite: Education 221. *Credit 2 semester hours.*
3. Education 425. *Measurement and Evaluation.* The construction, selection, and use of educational tests of the achievement type, including diagnostic and survey instruments. Required of all candidates for a teacher's certificate. Prerequisites: Education 221 and Psychology 231. *Credit 2 semester hours.*

\*NOTE: These are accelerated courses. They will meet every day for six weeks at the beginning of the second semester and must be completed before the student teacher goes on the field.

**B. Candidates For A High School Teacher's Certificate**

1. Education 221. *The School As A Social and Educational Institution.* (See #1 under "A" above.)
2. Education 233. *The Secondary School.* This course focuses attention on the organization, philosophy, aims, functions, principles, practices, methods, and materials as they relate to the secondary school. The secondary school is evaluated from the standpoint of its aims, procedures, and outcomes. Required of all candidates for a high school teacher's certificate. Prerequisite: Education 221. *Credit 3 semester hours.*
3. Education 425. *Measurement and Evaluation.* (See #3 under "A" above.)

**The Pupil****A. Elementary Education Majors**

1. Psychology 331. *Educational Psychology.* A systematic presentation of the psychological and biological bases of growth and development as they apply to the teaching and learning processes. Required of all candidates for a teacher's certificate. Prerequisite: Psychology 231. *Credit 3 semester hours.*
2. Psychology 335. *Child Psychology.* A study in the behavior and development of young children. Designed to give the student an understanding of how to deal more effectively with children in everyday situations. Required of candidates for the Primary Teacher's Certificate and the Grammar Grade Teacher's Certificate. Prerequisite: Psychology 231. *Credit 3 semester hours.*

**B. Candidates For A High School Teacher's Certificate**

1. Psychology 331. *Educational Psychology.* (See #1 under "A" above.)
2. Psychology 337. *Adolescent Psychology.* A study of the adolescent, the psychology of behavior arising from the problems peculiar to the transitional period between childhood and maturity. Required of candidates for the High School Teacher's Certificate. Prerequisite: Psychology 231. *Credit 3 semester hours.*

**Teaching and Practicum****A. Elementary Education Majors**

1. Elementary Education 338. *Materials and Methods of Elementary School Teaching.* Investigations and evaluation of materials and methods used in elementary school teaching. Requires supervised observation of teaching activities at the elementary school level. This course is a prerequisite for "Student Teaching in the Elementary School." *Credit 3 semester hours.*
2. Elementary Education 465. *Student Teaching in the Elementary School.* Students are placed in cooperating public elementary schools for the practical study of teachers' problems in a laboratory setting, directed observation, guided participation, and full-time classroom teaching. All students who wish to do student teaching during their



Senior year must file an "Application for Student Teaching" with the Head of the Department of Education at the beginning of the first semester when the student teaching is to be done during the second semester and at the beginning of the second semester when the student teaching is to be done during the first semester of the next school year. This course is open only to Seniors regularly enrolled in the University who have completed those courses which are designated in the catalogue as prerequisites for Student Teaching in the Elementary School and who meet the following requirements:

- a. A general academic average of 2.5 or better.
- b. No grade of "D" in courses offered in fulfillment of the student's major subject.
- c. Completed all freshman and sophomore required courses.
- d. A grade of "C" or better in required courses in education.
- e. A grade of "C" or better in required courses in psychology.
- f. Passed the English Proficiency Test.
- g. Passed the Handwriting and Spelling Test.
- h. Been approved for student teaching by the Student Teacher Screening Committee.

NOTE 1: A student who has completed all of the course requirements may be denied the privilege of doing student teaching if he shows a lack of proficiency to participate in this phase of the Teacher Education Program.

NOTE 2: Post Graduate Student Teaching. Only graduates who meet all of the above requirements will be permitted to enroll (as an in-service teacher) in the University for the course in student teaching.

This course is required for the Primary Teacher's Certificate and for the Grammar Grade Teacher's Certificate. *Credit 6 semester hours.*

#### B. Candidates For A High School Teacher's Certificate

##### 1. "Special Methods" course

Candidates for a High School Teacher's Certificate must complete the appropriate "special methods" course from the courses listed below.

- a. Education 328. *Materials and Methods in High School Social Studies.* This course is concerned with the philosophy, aims, methods and techniques of the social studies in the secondary school. This course is a prerequisite for student teaching in the field of the social studies. *Credit 2 semester hours.*
- b. Education 420. *Materials and Methods in High School French.* Theories and methods of teaching modern foreign languages. Prerequisites: French 131-132, 231-232, and 12 semester hours of French in the Senior College Division, with an average of "C" or better. This course is a prerequisite for student teaching in French. *Credit 2 semester hours.*

- c. Education 422 (Same as Physical Education 422). *Materials and Methods in the Teaching of Physical Education*. An analysis of the various procedures used in the teaching of physical education. This course is a prerequisite for student teaching in Physical Education. *Credit 2 semester hours*.
  - d. Education 424. *Materials and Methods in High School Mathematics*. The aims, methods, and techniques for teaching secondary school mathematics. This course is a prerequisite for student teaching in mathematics. Credit not counted toward a major in mathematics. *Credit 2 semester hours*.
  - e. Education 428. *Materials and Methods in High School Science*. The organization and presentation of secondary school science materials. Prerequisite: 16 semester hours of science. This course is a prerequisite for student teaching in either general science, biology, chemistry, or physics. *Credit 2 semester hours*.
  - f. Education 429. *Materials and Methods in High School English*. The aims and methods of high school English. Prerequisite: 9 semester hours of English in the Senior College Division. This course is a prerequisite for student teaching in English. *Credit 2 semester hours*.
  - g. Education 434. *Materials and Methods in Teaching Bible* (Same as Religious Education 434a-434b). The functional use of the Bible in contemporary life; survey and evaluation of materials and methods. Prerequisite: 12 semester hours of Religious Education. This course is a prerequisite for student teaching in Religious Education. *Credit 3 semester hours*.
  - h. Music 432. *The Teaching of Music in the Secondary School*. Principles, objectives, materials and procedures for meeting the needs of the music teacher in secondary schools. *Credit 3 semester hours*.
2. Education 463. *Student Teaching in the Secondary School*. Students are placed in cooperating public secondary schools for the study of teachers' problems in a laboratory setting, directed observation, guided participation, and full-time classroom teaching. Students who wish to do student teaching during their Senior year must file an "Application for Student Teaching" with the Head of the Department of Education at the beginning of the first semester when the student teaching is to be done during the second semester and at the beginning of the second semester when the student teaching is to be done during the first semester of the next school year. Student Teaching is open only to Seniors regularly enrolled in the University who have completed the following requirements:
- a. Education 221, Education 233, and Education 425.
  - b. Psychology 331 and Psychology 337.
  - c. The appropriate course in "Materials and Methods" (Special Methods) in the major subject.
  - d. A general academic average of 2.5 or better.
  - e. A grade of "C" or better in required courses in education.



- f. A grade of "C" or better in required courses in psychology.
- g. No grades of "D" in courses offered in fulfillment of the student's major subject.
- h. Completed all freshman and sophomore required courses.
- i. Passed the English Proficiency Test.
- j. Been approved for student teaching by the Student Teacher Screening Committee.

NOTE 1: A student who has completed all of the course requirements may be denied the privilege of doing student teaching if he shows a lack of proficiency to participate in this phase of the Teacher Education Program.

NOTE 2: Post Graduate Student Teaching. Only graduates who meet all of the above requirements will be permitted to enroll (as an in-service teacher) in the University for the course in student teaching.

This course is required for the High School Teacher's Certificate.  
*Credit 6 semester hours.*

### Elementary Education

#### Description of Courses in Elementary Education

Elementary Education 222—*The Elementary School* (See #3 under "The School," Elementary Education Majors)

Elementary Education 233—*Introduction to Exceptional Children* (See Elementary Education 233 under "Elective Courses in Education.")

Elementary Education 333—*Teaching Arithmetic in the Elementary School*. Methods of teaching arithmetic in all of the grades in the elementary school. Required of all elementary education majors.  
*Credit 3 semester hours.*

Elementary Education 334—*Teaching Science in the Elementary School*. In this course emphasis is placed upon the principles, practices, and procedures of the teaching of science in the elementary school. *Credit 3 semester hours.*

Elementary Education 335—*Reading in the Elementary School*. This course deals with methods of analysis and correction of difficulties in reading at the elementary school level. *Credit 3 semester hours.*

Elementary Education 336—*Language Materials and Methods*. This course is concerned with the guidance of learning activities in the development of language. An analysis is made of ways of helping children grow in reading, writing, speaking, and listening efficiency. *Credit 3 semester hours.*

Elementary Education 337—*Teaching the Social Studies in the Elementary School*. This course is designed to help elementary teachers develop a social studies program. It includes methods, materials, and techniques which seem to be most effective in all of the elementary school grades. *Credit 3 semester hours.*

Elementary Education 338—*Materials and Methods in Elementary School Teaching* (See #1 under “Teaching and Practicum, Elementary Education Majors.”)

Elementary Education 465—*Student Teaching in the Elementary School* (See #2 under “Teaching and Practicum, Elementary Education Majors.”)

### Elective Courses In Education

Education 323. *Principles and Practices of Guidance*. This is a first course in guidance in which an attempt is made to help the student understand and utilize the philosophies and processes of guidance on both the elementary and secondary school levels. Prerequisite: Education 221. *Credit 2 semester hours.*

Education 334. *Curriculum Construction*. A study of principles, practices, and techniques appropriate for overall curriculum planning and development. Attention is given to the selection and placement of content materials on both the elementary and secondary school levels. Prerequisite: Education 221. *Credit 3 semester hours.*

Education 335. *Audio-Visual Materials and Methods*. This course is designed to focus attention on the manner in which audio-visual materials make teaching more effective. Emphasis is placed on the selection and evaluation of materials, techniques for the use of materials and equipment, and the preparation of simple teaching materials. *Credit 3 semester hours.*

Education 430. *Basic Driver Education Workshop*. A basic or first course in driver education designed primarily to prepare persons for teaching the subject in high schools. Included in the course will be lectures and demonstrations, special study of some subject in the field of driver education, and observation and practice in the teaching of automobile driving. *Credit 3 semester hours.*

Education 431. *Advanced Driver Education Seminar*. This course is for advanced students and college instructors of driver education. The course will include discussions, at least 12 hours of practice teaching in automobile driving, a special project, and at least 20 hours of independent study and research. Prerequisite: Education 430 or the equivalent. *Credit 3 semester hours.*

Education 436. *History of Education*. This course takes up the historical development of the principles and practices of education from the earliest times to the present. Prerequisite: Education 221. *Credit 3 semester hours.*

Education 437. *Philosophy of Education*. A study of the underlying principles of educational theories, aims, and values. A course to assist students in developing and clarifying their philosophy of education. Prerequisite: Education 221. *Credit 3 semester hours.*

Elementary Education 233. *Introduction to Exceptional Children*. This is an introductory course designed to help the regular classroom teacher to recognize the characteristics and problems of exceptional children, including the rapid learner, the slow learner, the mentally retarded, and the gifted. *Credit 3 semester hours.*



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### READING

Education 120—*Corrective Reading*. This is a basic course in corrective reading which is designed to help individual students who have specific problems in reading and related areas. Practice work is done under direct supervision with emphasis in the area of weaknesses. Techniques will be used for self-improvement and for the evaluation of progress. *Credit 2 semester hours.*

Education 200—*Reading Clinic*. This clinic is operated for the benefit of persons who need individual attention in the area of reading improvement. Emphasis is given to the diagnosis and remediation of reading difficulties. *Credit 0 semester hours.*

Education 330—*Reading in the Secondary School*. This course is designed to help students who are pursuing teaching careers to recognize and deal with the various reading problems encountered in the secondary school. Emphasis is placed on reading skills that secondary school pupils must master and the teaching techniques that the teacher may utilize to develop these skills. *Credit 3 semester hours.*

Education 331—*Corrective Reading Clinic*. This course is designed to meet the needs of teachers in both the elementary and secondary fields. The incidence of reading disability, its causes and remedial measures are presented as related to individuals, groups and subject matter areas. Each student is required to work with one or more children needing remedial instruction. (Offered in the Summer Session only.) *Credit 3 semester hours.*

Education 339—*Reading Workshop (Elementary Level)*. Workshop participants will have an opportunity to teach reading to children and to observe children being taught. The workshop is designed for both in-service and pre-service teachers. Pre-service teachers may substitute workshop credit for Elementary Education 335. (Offered in the Summer Session only). *Credit 3 semester hours.*

Elementary Education 335—*Reading in the Elementary School*. This course deals with methods of analysis and correction of difficulties in reading at the elementary school level. *Credit 3 semester hours.*

### DEPARTMENT OF PHYSICAL EDUCATION AND HEALTH

Thirty (30) semester hours of the field of Physical Education are required for a major and fifteen (15) semester hours for a minor.

All students enrolled in Physical Education 114 through 119 or a course in swimming, are required to wear uniforms prescribed by the Department.

All students who wish to major in Physical Education must complete Biology 233 (Molecular Biology) and Biology 142 (General Zoology) *before beginning* the major. These courses should be completed during either the *Freshman or Sophomore year*. In addition to the required courses in Physical Education, all students who major in Physical Education must complete the following courses in the area of Health Education: Biology 231 (Physiology-I), Physical Education 226 (Community Health), Physical Education 335 (School Health Problems), and Physical Education 434 (Materials and Methods in Teaching of Health Education).

A student majoring in physical education is required to have an average of "C" or better in the required science courses, i.e., Biology 142, 231 and 233.

### Courses to be completed for a Major in Physical Education

Biology 142—*General Zoology* (Freshman or Sophomore year)

Biology 233—*Molecular Biology* (Freshman or Sophomore year)

Physical Education 222—*Physical Education in the Elementary School*

Physical Education 224—*Dual and Single Games* (Sophomore year)

Physical Education 225—*Rhythms and Dance* (Sophomore year)

Physical Education 226—*Community Health* (Sophomore year)

Physical Education 231—*First Aid, Safety, Athletic Injuries* (Junior year)

Physical Education 233—*Principles of Physical Education* (Sophomore year)

Biology 231—*Physiology-I* (Senior year) *Anatomy* (Physical Education 333 is a Prerequisite.)

Physical Education 323-324—*Methods and Materials in Team Sports* (Junior year)

Physical Education 325—*Gymnastics and Stunts* (Junior Year)

Physical Education 327—*Individual Health* (Senior year)

Physical Education 331—*Organization and Administration of Health and Physical Education* (Junior year)

Physical Education 333—*Anatomy and Kinesology* (Junior year)

Physical Education 335—*School Health Problems* (Junior year)

Physical Education 422—*Methods and Materials in the Teaching of Physical Education* (Senior year)

Physical Education 434—*Materials and Methods in the Teaching of Health Education* (Senior year)

110. *Elementary Swimming*. A course designed for non-swimmers involving the fundamental skills of swimming. *Credit 1 Semester hour*.

111. *Advanced Beginners Swimming*. A continuation of the beginners course for persons who have not progressed sufficiently to meet requirements of the intermediate course. *Credit 1 Semester hour*.

112. *Intermediate Swimming*. An advanced elementary swimming course with emphasis upon the development of skill in several swimming sports. Prerequisite: Physical Education 110 or 111. *Credit 1 Semester hour*.

113. *Advanced Swimming*. A course which provides opportunities to learn advanced skills in swimming which will make the individual a competent all around swimmer. *Credit 1 Semester hour*.

114. (Co-Ed) *Recreational Games* (Bowling, Shuffleboard, Handball, Badminton)

114a. (Co-Ed) *Recreational Games* (Tennis, Paddle-Tennis, Golf, Archery)

115. (Co-Ed) *Rhythm and Dance Activities* (Folk, Square, Social, etc.)



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116. (W) *Team Sports* (Field Hockey, Basketball, Volleyball)
116. (M) *Team Sports* (Flag Football, Basketball and Volleyball)
- \*117. (M) *Physical Fitness* (Exercises, Weight Training, and Combative Activities)
- \*117. (W) *Physical Fitness* — Exercises, Stunts, and tumbling
118. (M) *Self Testing Activities* (Elementary Gymnastics, Stunts and Tumbling)
118. (W) *Self Testing Activities* (Fundamentals of Trampoline, Stunts and Tumbling)
- \*\*119. (M) *Self Testing Activities* (Weight-Training, Track and Field, Conditioning)
- \*\*119. (W) *Self Testing Activities* (Calisthenics, Relays and Running, Body Mechanics, Figure and Weight Control)
121. *Personal Hygiene*. Personal health and hygiene, total fitness; physical, mental, emotional. *Credit 2 Semester hours.*
222. *Physical Education in the Elementary School*. A semester course designed to provide students knowledge and practical experience that will help them to teach effectively physical education to elementary school age children. *Credit 2 semester hours.* (Formerly Physical Education 223).
224. *Dual and Single Games*. Presentation of teaching methods of activities in which one or two persons may participate. *Credit 2 Semester hours.*
225. *Rhythms and Dance*. An activity course consisting of the fundamentals of dancing. *Credit: 2 Semester hours.*
226. *Community Health*. A study of the health of groups of individuals in a community. *Credit 2 Semester hours.*
231. *First Aid, Safety, Athletic Injuries*. Lectures and practice in first aid, safety techniques, and prevention and treatment of athletic injuries. *Credit 3 Semester hours.*
233. *Principles of Physical Education*. Lecture course dealing with the underlying principles and meaning of Physical Education. *Credit 3 Semester hours.*
- 323-324. (W) and (M). *Methods and Materials in Team Sports*. Basic physical skill of outdoor and indoor team sports. *Credit 2 Semester hours each semester.*
325. *Gymnastics and Stunts*. The fundamentals of gymnastics and stunts. *Credit 2 Semester hours.*
327. *Individual Health*. An analysis of the theory and practice of the prevention, the correction of the postural defects, and the prescription for various muscular defects found in the individual child. *Credit 2 Semester hours.*

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\* Will be taught in lieu of 211

\*\* Will be taught in lieu of 212

331. *Organization and Administration of Physical Education*. The aims, objectives, content and techniques of Physical Education and effective methods of teaching Health Education. *Credit 3 Semester hours*.
- 333-336. *Anatomy*. An elementary course in anatomy especially adapted to the needs of students preparing for a major in Physical Education. Laboratory periods will be arranged. Prerequisite: Biology 142. Kinesiology. A lecture and laboratory course dealing with the origin, insertion and action of muscles of the human anatomy. *Credit 3 Semester hours*.
334. *Principles, Practices and Procedures in Health Education for Elementary School*. The study of health education principles, methods and practices to improve health learning and teaching in the elementary school. *Credit 3 Semester hours*.
335. *School Health Problems*. A study of the school health program, its value and problems in developing health education in the junior and senior high schools. *Credit 3 semester hours*.
422. *Materials and Methods in Teaching Physical Education*. A study of effective methods of teaching physical education. *Credit 2 Semester hours*.
434. *Materials and Methods in Teaching Health Education*. A study of effective methods of teaching health education. *Credit 3 Semester hours*.

### PSYCHOLOGY

Psychology 131 or its equivalent is prerequisite to all other courses in psychology and is credited toward the major and minor requirements. A major in psychology consists of *thirty* semester hours which must include 132, 233, 333, 334 and two of the following courses: 234, 330, 332, 338, 435. A minor in psychology consists of *eighteen* semester hours which must include 132 and two of the following courses: 233, 333, 330, 332, 338, 435.

Students planning to major in psychology should take Mathematics 136 and psychology courses 131 and 132 in the freshman year. Psychology 233 should be taken in the fall semester of the sophomore year.

131. *General Psychology I*. Provides an understanding of behavior through the study of growth and development, motivation, emotion, learning, personality, intelligence and other related topics. *Credit 3 semester hours*.
132. *General Psychology II*. A more intensive and rigorous treatment of selected topics within general psychology with special emphasis on experimental procedures. Laboratory demonstrations and participation. *Credit 3 semester hours*.
233. *Psychological Statistics*. The application of inferential statistics to data in the social sciences. Emphasis on normal, chi-square, t, and F distributions, regression and hypothesis testing. Prerequisite: Mathematics 136 or its equivalent. *Credit 3 semester hours*.
234. *Experimental Designs*. Presentation of various statistical designs used in psychological research with emphasis on the analysis of variance. Prerequisite: Psychology 233 or its equivalent. *Credit 3 semester hours*.



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235. *Psychology of Childhood*. A study of behavior and development from infancy to adolescence. *Credit 3 semester hours*.
237. *Psychology of Adolescence*. The psychology of behavior arising from the problems peculiar to the transitional period between childhood and maturity. *Credit 3 semester hours*.
239. *Educational Psychology*. A presentation and discussion of psychological principles as they apply to learning and teaching. *Credit 3 semester hours*.
330. *The Psychology of Learning*. A study of the facts and theories of human and animal learning. *Credit 3 semester hours*.
332. *The Psychology of Perception*. A study of the basic phenomena of perception as determined by conditions in the external situation and within the perceiver. *Credit 3 semester hours*.
- 333-334. *Experimental Psychology*. A two semester course investigating theory, methods, and techniques of experimental psychology. First semester: psycho-physical methods, sensation, and human learning. Second semester: animal learning, perception, social interaction, and aesthetics. Prerequisite: Psychology 233 or its equivalent. *Credit 6 semester hours*.
338. *Personality Theory*. Intended to introduce students to psychological approaches to personality theories and theorizing. *Credit 3 semester hours*.
339. *Principles of Psychological Measurement*. Theory and technique for constructing, selecting, utilizing and evaluating tests for psychological principles as they apply to learning and teaching. *Credit 3 semester hours*.
431. *Social Psychology*. Problems, concepts and methods in the study of social interaction and interpersonal influence. *Credit 3 semester hours*.
432. *Abnormal Psychology*. A study of the kinds and theories of behavior disorders. *Credit 3 semester hours*.
434. *Introduction to a Clinical Psychology*. A survey of clinical problems and techniques. *Credit 3 semester hours*.
435. *Theoretical Psychology*. A review of the history of psychology as it relates to major efforts at systematizing in the field. The methodology of theory construction is considered. *Credit 3 semester hours*.
436. *Independent Research in Psychology*. Independent investigation of topics of special interest. Prerequisites: junior classification, 6 hours in psychology, approval of a faculty supervisor. May be repeated. *Credit 3 semester hours*.
437. *Individual Psychological Tests I*. The administration and interpretation of tests for pre-school and elementary school children. Prerequisite: Mathematics 136 plus 12 hours in psychology. *Credit 3 semester hours*.
438. *Individual Psychological Tests II*. The administration and interpretation tests at the adolescent and adult levels. Prerequisite: Mathematics 136 plus 12 hours in psychology. *Credit 3 semester hours*.

## DIVISION IV. MATHEMATICS AND SCIENCES

The Departments of Biology, Chemistry, Mathematics and Physics constitute the Division of Natural Science and Mathematics. Students may elect a major in Biology, Chemistry, and Mathematics. All Departments will provide work for a minor.

A student who demonstrates his readiness in any Department in this Division may be given appropriate advanced standing. If the student later finds that he is unable to do the advanced assignment, he will be returned to his normal classification.

### GENERAL SCIENCE MAJOR

Preparation to teach Science in the secondary schools of North Carolina comprises credit for one year of Earth Science, one year of Biology, one year of Chemistry, one year of Mathematics and one year of Physics. In addition the student must acquire some depth of one science. It will cover two and a half or three years in which the depth is chosen.

Students who do not wish to qualify for a teacher's certificate may earn a major in General Science by the accumulation of 16 hours of credit in each of two sciences and 8 hours in the other science (the three sciences involved are Biology, Chemistry and Physics). An alternative approach offers the student the choice of 24 hours in one science and 8 hours in each of the other two.

### EARTH SCIENCE

131. *Physical Geography*. The earth as a globe and its various projections on a flat surface. Weather elements. Climate and soil. Landforms. General tectonic processes. Simple notions of geophysics. *Credit 3 semester hours.*

132. *Elementary Meteorology*. Sources, types, and composition of climates. Interaction of atmospheric variables and climates. Interaction of atmospheric variables and climates to produce "weather." Elementary physics and chemistry of the atmosphere. Elements of meteorological analysis. Principles of forecasting. Three hours of class work and one two-hour laboratory work a week. *Credit 3 semester hours.*

Earth Science 231: *Physical Geology*. A thorough treatment of the external changes of the earth brought about by weather, water, wind and ice, the effect of these on existing rocks, resulting in the sedimentation and the production of sedimentary rocks. Elementary mineralogy. *Credit 3 semester hours.*

Earth Science 232: *Physio-Historical Geology*. A study in the various changes in the earth's interior, with structural geology, details of igneous and metamorphic rocks, continued mineralogy and a review of historical geology. Geology 231 desirable. *Credit 3 semester hours.*

### DEPARTMENT OF BIOLOGY

The department aims (1) to develop and promote knowledge and appreciation for biology and its related areas; (2) to build a background in areas of biological sciences in order to prepare the student for vocations, profes-



sions, careers, or continuation of studies related thereto; (3) to develop skills and techniques required and expected of those in the area; (4) to stimulate and encourage investigation through research among the majors.

Training for professional biologist, pre-medical student, and teacher education, which is in cooperation with education department, is offered in the department.

A major in Biology requires a minimum of 30 semester hours with at least a grade of C in Biology, including Biology 141; 142; 241; 242; 341; Biology 333 or 351 (Math 136 in lieu of); 411; and 441; or 442; Chemistry 141-142; Physics 241-242; Math 134, 136 (in lieu of Biology 333 or 351), or equivalents. Biology 232 and Chemistry 341-342 are encouraged. French, German, or Russian, are encouraged to meet the college language requirement.

A minor in Biology requires a minimum of 20 semester hours with at least a grade of C in Biology, including Biology 141; 142; 241; 242; 411; and 6 hours of Chemistry and Math 134 or equivalent.

Substitution for a course listed in requirements may be authorized by the head of the department, if exigence demands. Such authorization must be filed with the Registrar before the student takes the course.

131. *Introductory Biology.* A study of basic principles of Biology, a general survey of the plant and animal kingdoms with some emphasis on their economic importance and phylogenetic association of various phyla or divisions and terminating with a few important organismal systems. Three one-hour lectures and one two-hour laboratory period per week. *Credit 3 semester hours.*
141. *General Botany.* A basic study of morphology, physiology, heredity, economic, and evolutionary relationship of plants. First half deals with basic principles, structure, physiology, heredity, and economic association; second half is survey of plant kingdom with emphasis on life cycles and the phylogenetic relationship. Two one-hour lectures and two two-hour laboratory periods per week. *Credit 4 semester hours.*
142. *General Zoology.* Theories, principles and concepts of animal life. Study of structure, function, environmental relations, origin, and development of animals. Two one-hour lectures and two two-hour laboratory periods per week. *Credit 4 semester hours.*
221. *Nature Study I.* (Emphasizing plants). A general recognition course designed to identify and name common plants, associate them to their environment and recognize ecological factors influencing their development. One one-hour lecture and one two-hour laboratory consisting of field trips. Prerequisites: General Botany 141. *Credit 2 semester hours.*
222. *Nature Study II.* (Emphasizing animals) A general recognition course designed to identify and name common animals, associate them to their environment and recognize ecological factors influencing their development. One one-hour lecture and one two-hour laboratory consisting of field trips. Prerequisites: General Zoology 142. *Credit 2 semester hours.*

232. *Physiology I*. Fundamental physiology of protoplasm, basic processes and functions of organs and systems. Three one-hour lectures and one two-hour laboratory period per week. Prerequisites: Biology 241, 242. *Credit 3 semester hours*.
233. *Molecular Biology*. A study of physical and chemical aspects of living systems. Emphasis will be laid on molecular nature of the various constituents of the cell. Two one-hour lectures and one two-hour laboratory period per week. Prerequisites: Biology 141, 142. *Credit 3 semester hours* (Offered on alternate years)
241. *Invertebrate Zoology*. A detailed course emphasizing representative invertebrate animals: a phylogenetic study of the bio-physical and chemical nature of their protoplasm, tissues, organs, and systems; a study of their morphology, physiology, life histories, ecology, and economic importance. Two one-hour lectures and two two-hour laboratory periods per week. *Credit 4 semester hours*.
242. *Vertebrate Zoology*. A study of representative vertebrate animals; a phylogenetic study of their morphology, physiology, life histories, ecology, and economic importance. The latter half of the course emphasizes a detailed study of one vertebrate animal, usually the frog. Two one-hour lectures and two two-hour laboratory periods per week. *Credit 4 semester hours*.
243. *Field Botany*. A taxonomic study of native and naturalized flowers of local area with emphasis on their ecology and geographic distribution. Two one-hour lectures and two two-hour laboratory periods per week. Prerequisites: Biology 141. *Credit 4 semester hours*.
244. *Plant Morphology*. A survey of plant groups from algae to angiosperms with emphasis on life histories, structures, reproductions, and evolution. Three one-hour lectures, and one two-hour laboratory period per week. Prerequisite: Biology 141. *Credit 4 semester hours*. (Offered on alternate years)
- 320, 330, 340. *Individual Problems in Biology*. A course designed for majors in biology on the junior level or above to do individual research on current problems in biology. Course consists of conferences and guidance under director of the problem. Prerequisites: Biology 141, 142, 241, 242, one other course in biology and consent of instructor. *Credit 2, 3, or 4 semester hours*.
332. *Entomology*. A study of the typical anatomy and physiology of insects, their taxonomy, ecology, and economic significance. Two one-hour lectures, and one two-hour laboratory period per week. Prerequisite: Biology 242. *Credit 3 semester hours*. (Offered on alternate years)
333. *Genetics*. Fundamental principles of Genetics: variation, heredity, physical basis of Mendelian inheritance, expression and interaction of genes, linkage, sex-linkage, mutation and extranuclear inheritance. Study also includes biochemical aspect and population Genetics. Three one-hour lectures per week. Prerequisites: Biology 141, 142, 241, 242. *Credit 3 semester hours*.



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337. *Bacteriology*. An introduction to the study of bacteria with special emphasis on their relationship to man. Three lectures and one two-hour laboratory period each week. Prerequisites: Biology 131 or 141. Offered by popular demand. *Credit 3 semester hours*.
335. *Parasitology*. An introduction to morphology and life cycle of parasites (especially parasitic protozoa and helminths) and the pathogenic effects on their host. Two two-hour lectures and one two-hour laboratory period per week. Prerequisites: Biology 241, 242. *Credit 3 semester hours*. (Offered on alternate years)
341. *Comparative Vertebrate Anatomy*. Comparative studies of vertebrate animals, including mammals. Comparative studies of phylogeny and ascension through man. In the laboratory a detailed study is made of the anatomy of a fish, amphibian, reptile, bird, and a mammal. Prerequisites: Biology 241, 242. Two one-hour lectures and two two-hour laboratory periods per week. *Credit 4 semester hours*.
346. *Plant physiology*. A study of principles of absorption conduction, translocation, nutrition, photosynthesis, growth and differentiation of plants. Two one-hour lectures and two two-hour laboratory periods per week. Prerequisites: Biology 141. *Credit 4 semester hours*.
347. *Physiology II*. A study of the chemical nature of Physiological processes and functions of organs and systems. Emphasis is placed on digestion, respiration, metabolism, excretion, muscular contraction, endocrinology, and reproduction. Two one-hour lectures and one three-hour laboratory period per week. Prerequisites: Biology 241, 242, and Physiology. (Organic Chemistry in lieu of Physiology I). *Credit 4 semester hours*. (Offered on alternate years)
351. *Genetics*. Same as 333 but laboratory included. Three one-hour lectures and two two-hour laboratory periods per week. Prerequisites: Biology 141, 142. *Credit 5 semester hours*.
411. *Seminar*. Detailed reports on specific topics in chosen field. Effective and efficient use of library. Procedures for organized informational follow-up on new developments after graduation. *Restricted to seniors. Credit 1 semester hour*.
441. *Histology-Microtechnique*. Instruction in the technique of preparing tissues for microscopic observation, and the examination and detailed study of various tissues. Two one-hour lectures and two two-hour laboratory periods per week. Prerequisites: Biology 141, 142, 241, 242. *Credit 4 semester hours*.
442. *Vertebrate Embryology*. A study of the developmental process in animals with special reference to the frog, chick, pig, and man. Two one-hour lectures and two two-hour laboratory periods per week. Prerequisites: Biology 141, 142, 241, 242. *Credit 4 semester hours*.
446. *Radiation Biology*. Qualitative and quantitative effects of radiation on biological systems and the related nuclear physics involved in radiation. Emphasis is placed on human systems. Three one-hour lectures and one two-hour laboratory period per week. Prerequisites: Biology 141, 142, 231, 241, 242. *Credit 4 semester hours*.

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## DEPARTMENT OF CHEMISTRY

The courses in Chemistry are designed and arranged to enable students to acquire a general knowledge of Chemistry, to equip those who plan to teach, and to give basic foundation for those who plan to enter Medicine, the field of Industry, or to pursue advanced work in Chemistry.

A major in Chemistry consists of courses 141, 142, 241, 242, 341, 342, 431, 432, 411, and 412. Students who major in Chemistry must earn 8 hours of credit in Physics, and also must earn satisfactory credit in Mathematics (Calculus). A major in Chemistry requires a minimum of 32 semester hours. A minor in Chemistry requires at least 22 semester hours exclusive of Chemistry 131 and 132.

131-132. *Introductory Chemistry.* The elementary principles of Chemistry are discussed at the level suited to the student who plans to take only one year of Chemistry. Chemistry 131 is prerequisite to 132. *Credit 6 semester hours.*

141-142. *General Chemistry.* The fundamental principles of Chemistry are discussed in relation to and in connection with the physical and chemical properties of the non-metallic and metallic elements and their compounds. Chemistry 141 or its equivalent is prerequisite to Chemistry 142. *Credit 8 semester hours.*

231. *Introduction to Physical Chemistry.* A study of some basic principles of Physical Chemistry designed to meet the needs of non-majors. Prerequisite: Chemistry 142. *Credit 3 semester hours.*

232. *Intermediate Inorganic Chemistry.* Consideration of modern notions of Inorganic Chemistry at an intermediate level. This course is accompanied by selected topics in descriptive Chemistry. Prerequisite: Chemistry 142. *Credit 3 semester hours.*

241. *The Principles and Methods of Classical Analytical Chemistry.* The theory and practice of measurement are applied to representative volumetric and gravimetric determinations. Prerequisite: Chemistry 142 with a grade of "C" or better. *Credit 4 semester hours.*

242. *Instrumental Methods of Analysis.* The theoretical principles of modern instrumentation are discussed. Appropriate experiments complement the discussion. Prerequisite: Chemistry 241 or consent of instructor. *Credit 4 semester hours.*

341-342. *Organic Chemistry.* The principles of Organic Chemistry as illustrated by the preparation and study of typical representatives of the aliphatic and aromatic series. 341 is prerequisite to 342. *Credit 8 semester hours.*

430. *Advanced Organic Chemistry.* The theoretical, practical, and commercial aspects of Organic Chemistry, including significant details of experimental and industrial procedures will be discussed. Prerequisite: Chemistry 342. *Credit 3 semester hours.*

411-412. *Selected Experiments in Physical Chemistry.* These courses accompany 431-432. *Credit 2 semester hours.*



- 431-432. *Physical Chemistry*. The principles of Chemistry and Physics are applied to the properties and behavior of gases, liquids, solids, and solutions. Modern concepts in regard to the properties and behavior of aggregation of atoms and molecules are discussed. Prerequisites: Physics 242 or 342, Calculus II, and Chemistry 241. *Credit 6 semester hours.*
- 420-421. *Laboratory Projects in Chemistry*. Designed to allow the student to pursue individual interest in the fields of Analytical, Organic, Inorganic, or Physical Chemistry. Prerequisite: Consent of instructor. *Credit 4 semester hours.*
- 422-423. *Chemistry Seminar*. Presentation and discussion of selected topics from the major areas of Chemistry. Oral and written reports are required. Prerequisite: Consent of instructor. *Credit 4 semester hours.*

### DEPARTMENT OF MATHEMATICS

The objectives of the Department of Mathematics are: (1) To equip the students with the mathematical background needed in general and professional education; (2) To prepare students for advanced study of mathematics; (3) To prepare teachers of mathematics; (4) To prepare students for employment in applied mathematics; (5) To develop an appreciation for the subject itself.

A major in Mathematics consists of at least 35 hours. The required courses in mathematics are: 241, 242, 333, 334, 335, 336, 341, 411, 412, 423, 427, 433, 424, or 428. Mathematics 428 is required of all majors in the teacher education program of mathematics. In addition, Physics 241-242 is required for the major in mathematics.

A minor in mathematics consists of at least 24 semester hours of mathematics. The required courses are: 241, 242, 333 or 334, 336, 341.

121. *Mathematics Skills*. An exploration of the real numbers and their sub-systems through the number line and algebraic equations. This course is for students who fail to demonstrate competency in the fundamentals of arithmetic and algebra on the Placement Tests. Three or four meetings a week. *Credit 2 semester hours.*
132. *Principles of Mathematics*. Sets, functions, natural numbers, integers, and rational numbers. Prerequisite: Mathematics 121 or the equivalent. *Credit 3 semester hours.*
133. *Fundamental Algebra*. A course in fundamental concepts and applications of contemporary algebra. Prerequisite: Mathematics 121 or the equivalent. *Credit 3 semester hours.*
134. *Introductory Analysis*. Introduction to trigonometry, a limit process, an introduction to polynomial calculus. Prerequisite: Mathematics 133 or the equivalent. *Credit 3 semester hours.*
136. *Introductory Statistics*. Designed especially for majors in the behavior sciences. Descriptive statistics, set approach, to probability, introduction to statistical inference, linear correlation and regression. Prerequisite: Mathematics 133 or the equivalent. *Credit 3 semester hours.*

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138. *Modern Business Mathematics*. Linear programming, inventory control, applications of vectors and matrices, compound interest and annuities, computer simulation. Prerequisite: Mathematics 133 or the equivalent. *Credit 3 semester hours*.
150. *College Algebra and Trigonometry*. Logic and sets, number fields, the integers, equations and inequalities, functions, exponentials and logarithmic functions, trigonometric functions. Prerequisite: Mathematics 133 or the equivalent. *Credit 5 semester hours*.
210. *Statistics Laboratory*. Statistical experiments and calculations. A supporting course for Mathematics 136. *Credit 1 semester hour*.
231. *Techniques of Digital Computing I*. An Introduction to programming languages, computer theory, and logic. Topics include data management, use of various input-output devices, elementary algorithms, and computer simulation techniques. Prerequisite: Math 150. *Credit 3 semester hours*.
232. *Techniques of Digital Computing II*. Numerical analysis is used in the programming of scientific and engineering problems. Advanced program techniques such as subroutines, function subprograms, process control, and real-time systems. Prerequisite: Math 231. *Credit 3 semester hours*.
- 241-242. *Analytic Geometry*. Calculus I and II. Fundamentals of plane analytic geometry. Fundamental concepts of differentiation and integration with applications. Prerequisite: Mathematics 150 or the equivalent. *Credit 4 semester hours each semester*.
321. *Fundamental Geometry*. Elementary logic; congruence; parallel lines; circles; proportions, measurement and similar polygons; geometric constructions; space geometry. Prerequisite: Mathematics 132 or 133. *Credit 2 semester hours*.
- 333-334. *Probability and Statistics*. Elements of probability theory, mathematical statistics and applications. Prerequisite: Mathematics 242. *Credit 3 semester hours each semester*.
335. *Introductory Abstract Algebra*. Elementary set theory and logic, mappings; groups, rings, integral domains, and fields, and an introduction to polynomials. Prerequisite: Mathematics 243. *Credit 3 semester hours*.
336. *Introductory Linear Algebra*. Linear equations, vector spaces, linear transformations, theory and applications of matrices and determinants. Prerequisite: Mathematics 242. *Credit 3 semester hours*.
341. *Calculus III*. A continuation of Mathematics 242. Extension of the calculus to several variables, vector analysis, infinite series. Prerequisite: Mathematics 242. *Credit 4 semester hours*.
- 411-412. *Mathematics Seminar*. This course is designed to strengthen independent study habits in mathematics. Set theory and logic, the real number system, functions, metric spaces, continuity and differentiation. Prerequisite: Mathematics 341. *Credit 1 semester hour each*.



423. *Introduction to Analysis*. A careful study of the properties of the Riemann integral, sequences of functions, partial differentiation, multiple integrals. Prerequisite: Mathematics 341, 411-412. Credit 2 semester hours.
424. *Elementary Differential Equations*. A general course in ordinary differential equations. Prerequisite: Mathematics 341. Credit 2 semester hours.
427. *Modern Geometry I*. The logical structure and use of Euclidean geometry. Prerequisite: Mathematics 241. Credit 2 semester hours.
428. *Modern Geometry II*. The relationship of Euclidean geometry to other geometries. Prerequisite: Mathematics 241. Credit 2 semester hours.
433. *History of Mathematics*. A study of the evolution of mathematics to the present time. Creative problem solving is emphasized. Prerequisite: Mathematics 242 and 427 or 428. Credit 3 semester hours.

### READINGS IN MATHEMATICS

Qualified students in mathematics may take any of the following courses as individual independent study units. Under certain circumstances, any of these courses may take the form of a regular class. Prerequisite: Consent of the instructor.

420. *Topics in Modern Algebra*. Credit 2 semester hours.
421. *Topics in Analysis*. Credit 2 semester hours.
422. *Topics in Complex Variables*. Credit 2 semester hours.
426. *Topics in Number Theory*. Credit 2 semester hours.
436. *Topics in Numerical Methods*. Credit 3 semester hours.
427. *Topics in Topology*. Credit 2 semester hours.

### DEPARTMENT OF PHYSICS

The courses in Physics are designed to train those who plan (1) to do graduate work in Physics (2) to enter Industry (3) to teach in Secondary or Technical Schools and (4) to obtain a general knowledge in the modern fields of descriptive and quantitative experimental Physics.

Major Requirements: Physics 243, 244, 343, 344, 441, 442, 433, 434 and 435. Total hours 33.

Minor Requirements: Physics 243, 244, 343, 344, 441, 442, and 434. Total hours 27.

131. *Introductory Physics*. The elementary principles of Physics are discussed at a level suited to the general student. An elementary knowledge of algebra is necessary for success in this course. Three hours of class work and one two-hour laboratory work a week. Credit 3 semester hours.
241. *General Physics*. Mechanics, Heat and Sound. 3 hours lecture and 4 hours laboratory per week. Prerequisite: Trigonometry. Credit 4 semester hours.

242. *General Physics*. Electricity, Magnetism, Light and Modern Physics. 3 hours lecture and 4 hours laboratory per week. Prerequisite: Physics 241. *Credit 4 semester hours*.
243. *Mechanics*. A study of Statics, dynamics and fluid mechanics. Three one-hour lectures and two two-hour laboratory periods a week. *Four semester hours*.
244. *Waves and Acoustics*. A general detailed study of waves and acoustics. Three one-hour lectures and two two-hour laboratory periods. Prerequisite Physics 243. *Four semester hours*.
235. *Vector Analysis*. Gradient, divergence, curl and laplician together with their physical significance, line and surface integrals; Gauss, and Stokes theorems; Vectors in Cartesian, cylindrical and spherical polar coordinates. Physical application of matrices and tensors. Four one-hour lectures a week. *Three semester hours*.
343. *Electrodynamics*. Electricity and Magnetism. These topics treated in a detailed manner. Three one-hour lectures and two two-hour laboratory periods a week. Prerequisite: Physics 244. Mathematics 150 College Algebra and Trigonometry).
344. *Optics*. A detailed study of geometrical and physical optics, wave nature of light, mirrors, lense theory. Interference, diffraction and polarization treated in detail. Three one-hour lectures and two two-hour laboratory periods a week. *Four semester hours*.
441. *Thermodynamics*. Thermometry, expansion of solids, liquids and gases. Calorimetry. Laws of thermodynamics and their applications. Low temperature Physics. Three one-hour lectures and two two-hour laboratory periods a week. Prerequisite: Calculus I. *Four semester hours*.
442. *Atomic and Molecular Physics*. An introduction to atomic and molecular Physics. Three one-hour lectures and two two-hour laboratory periods a week. *Four semester hours*.
433. *Kinetic Theory and Statistical Mechanics*. Introduction to Kinetic theory and statistical mechanics treated in detail. Three one-hour lectures a week. Prerequisite: Physics 442. *Three semester hours*.
434. *Nuclear Physics*. An Introduction to Nuclear Physics. Three one-hour lectures a week. Prerequisite: Physics 442. *Three semester hours*.
435. *X-rays*. Production, detection and properties of X-rays. Emission and absorption spectra related to Atomic Structure and Crystal Structure. Three one-hour lectures a week. *Three semester hours*.
436. *Solid State Physics*. An Introduction to Solid State Physics. Three one-hour lectures a week. *Three semester hours*.
437. *Relativity*. A detailed study of Einstein theory of Relativity. Three one-hour lectures a week. *Three semester hours*.
438. *Quantum theory*. An Introduction to Quantum theory. Three one-hour lectures a week. *Three semester hours*.
439. *Electronics*. An Introduction to Electronics. Three one-hour lectures. *Three semester hours*.
412. *Seminar*. *One semester hour*.



LIBERAL ARTS-ENGINEERING PROGRAM

Three-two Plan

A Liberal Arts-Engineering program is included in the curriculum of the University wherein a student may complete three years of training here and two years in an engineering school and receive degrees from both institutions.

The three-two plan of cooperation between colleges of Liberal Arts and schools of Engineering offer several advantages. The high school graduate is able to begin his work with a less advanced stage in mathematics than is necessary for direct entry into a school of engineering; and expenses are usually less in colleges of Liberal Arts than they are in schools of Engineering. In a program of serious study guidance available in colleges of Liberal Arts helps to ease the transition of a student from his high school to a professional program. The combination of liberal and professional education elevates, fortifies, and supports the academic horizon of the engineer.

Student who follows one of these curricula under the advice of the Division of Science and Mathematics is eligible for our Bachelor's degree when he obtains a Bachelor's degree in Engineering from a nationally accredited school.

Consult the outline for the content of our part of the program.

LIBERAL ARTS-ENGINEERING CURRICULA

Civil, Electrical, and Mechanical Engineering

Freshman Year

First Semester	Credit	Second Semester	Credit
Math 241 -----	4	Math 242 -----	4
Chemistry 141 -----	4	Chemistry 142 -----	4
English 131 -----	3	English 132 -----	3
Foreign Language -----	3	Foreign Language -----	3
Phys. Ed. -----	3	Humanities -----	3
		Phys. Ed. -----	1

Sophomore Year

Math 341 -----	4	Math 342 -----	4
English 231 -----	3	English 232 -----	3
Foreign Language -----	3	Foreign Language 232 -----	3
Physics 341 -----	4	Physics 342 -----	4
Humanities -----	3	Humanities -----	3

Junior Year

Math 333 -----	3	Math 336 -----	3
Physics 343 -----	4	Physics 441 -----	4
Economics 231 -----	3	Math 334 -----	3
Social Science -----	3	Social Science -----	3
Psychology -----	3	Electives -----	
Electives -----			

**Chemical Engineering**  
**Freshman Year**  
**Same for all Engineering Plans**

**Sophomore Year**

First Semester	Credit	Second Semester	Credit
Math 241 -----	4	Math 242 -----	4
English 231 -----	3	English 232 -----	3
Foreign Language 231 -----	3	Foreign Language 232 -----	3
Chemistry 341 -----	4	Chemistry 342 -----	4
Physics 341 -----	4	Physics 342 -----	4

**Junior Year**

First Semester	Credit	Second Semester	Credit
Physics 343 -----	4	Physics 441 -----	4
Chemistry 241 -----	4	Math 336 -----	3
Social Science -----	3	Social Science -----	3
Psychology 231 -----	3	Economics 231 -----	3
Humanities -----	3	Elective -----	
Electives -----			

**TECHNICAL DRAWING**

**1 & 2**

**First and Second Semester**

An introduction to the fundamentals of technical drawing principles and practices. A study of the basic skills and techniques in the use of drafting equipment; lettering; freehand drawing (sketching); geometric construction; orthographic projection.

**3 & 4**

**First and Second Semester**

A continuation of 1 & 2. Designed to acquaint students with accepted drafting room practice. Architectural, structural, mechanical and electrical conventions and symbols; construction details; sections; reading of blueprints; introduction to specifications.

2 hour lab. class—3 times a week = 6 hours per week.



## DEGREES — 1968

### COLLEGE OF LIBERAL ARTS

#### Bachelor of Arts

##### CUM LAUDE

Thelma Pearl Alexander	Charlotte, N. C.
Robert Arnold	Athens, Ga.
Joel Nathaniel Brockman, Jr.	Simpsonville, Ga.
**Eula Rhee Chandler	Charlotte, N. C.
Phyllis Ann Cureton	Concord, N. C.
Rhenn Thomas Darensburg	Henderson, N. C.
Rebecca Lucretia Dortch	Camden, Ala.
Judy Maxine Dowell	Elkin, N. C.
Lela Marie Zyretha Eaton	Oxford, N. C.
Candace Bynum Evans	Charlotte, N. C.
Barbara Jean Flack	Knoxville, Tenn.
Dorothy Mae Garvin	Gastonia, N. C.
Michele Evon Hutchinson	Philadelphia, Pa.
Paul Alexander Knox	Rock Hill, S. C.
Thelma Hargrove Mease	Townsville, N. C.
Betty Jean Ruff	Newberry, S. C.
Beverly Issiah Taylor	West Hempstead, N. Y.
Zenobia Elvira Washington	Charleston, S. C.

#### Bachelor of Arts

Berdell Adams Alexander	Charlotte, N. C.
Gloria Maxine Anthony	Rose Hill, N. C.
*Curtis O'Neil Ardrey	Charlotte, N. C.
Guy Claud Barnes	Branchville, Va.
**Emma Gayle Bell	Wilmington, N. C.
Bettie Jean Bennett	Wadesboro, N. C.
Horace Donald Black	Gray, Ga.
Carolyn Bridges	Columbus, Ga.
Dorothy Lee Brown	Charlotte, N. C.
**Alleen Matilda Bullock	Pittsburgh, Pa.
Mildred Demetri Caldwell	Charlotte, N. C.
Annie Jean Callahan	Belton, S. C.
Isadora Cohen	Charleston, S. C.
Richard Taft Colson	Wingate, N. C.
Douglas Kenneth Cross	Alexandria, Va.
Shirley Anne Davis	Rock Hill, S. C.
George Edward Dorsey	Joppa, Md.
Patricia Gravely Dowdy	Charlotte, N. C.
*James Shirley Dyson	Crewe, Va.
Gwendolyn Barnice Fleming	Charlotte, N. C.
**Justine Foriest	Conway, S. C.
Frank Steve Franklin	Kinston, N. C.

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James Arthur Frieson	Charlotte, N. C.
Beverly Annette Gaines	Charlotte, N. C.
Marilyn Elease Gaither	Kannapolis, N. C.
Mack Ceen Gallman, Jr.	Union, S. C.
Carolyn Ann Gamble	Bessemer City, N. C.
Juanita Gaston	Winston-Salem, N. C.
William Furnell Geter	Martinsville, Va.
Jesse Ben Goode, Jr.	Martinsville, Va.
Freddie Linder Gray	Spartanburg, S. C.
James Robert Hastie	Sumter, S. C.
Grace Henderson	Greenville, S. C.
Johnny Douglas Hill	Greenwood, S. C.
*Edward Lewis Holloway	Matthews, N. C.
Richard James Jackson, Jr.	Bristol, Conn.
Johnny Cornelius James	Columbia, S. C.
Almeta Ann Johnson	Martinsville, Va.
Deidre Gale Johnson	Birmingham, Ala.
Jacqueline Fulwood Johnson	New Brunswick, N. J.
*Jeanette Johnson	Lumberton, N. C.
Tyron Shepard Johnson	Hartford, Conn.
Audrey Ann Johnston	Hickory, N. C.
**Edward Thomas Jones, Jr.	Orangeburg, S. C.
William Allen Jones	Charleston, S. C.
Calvin James Kenly	Columbia, S. C.
Earl Davaughan Knight	Irwinton, Ga.
Sylvia Levern Kornegay	Mount Olive, N. C.
Antonia Lawrence	Rocky Mount, N. C.
Rosemary Lunn Lawrence	Charlotte, N. C.
Alma Irene Leatherwood	Taylors, S. C.
Robert Leek	Gary, Ind.
Calvin Lewers	Simpsonville, S. C.
Gayle Marie McCombs	Charlotte, N. C.
Barbara Jean McGee	Rocky Mount, N. C.
*Sami Rafik Mansour	Haifa, Israel
**Gloria Priscilla Marshall	Wilmington, Dela.
Priscilla Dorsey Maulsby	Fairmont, N. C.
**Bessie Marie Miller	Charlotte, N. C.
Tyler Cornelius Millner	Martinsville, Va.
Julia Patricia Mitchell	Atlanta, Ga.
**Melba Deloris Mobley	Charlotte, N. C.
Lorraine Eileen Monroe	Camden, N. J.
Hattie Barber Moore	Charlotte, N. C.
Ann Delores Moorehead	Kannapolis, N. C.
*Herman Morgan	Newark, N. J.
Viola Bruella Myers	Charleston, S. C.
**Albert Nelson	Altamonte Springs, Fla.
John Calvin Nelson	Sumter, S. C.
**Gloria LaJoyce Nolley	Charlotte, N. C.
Queen Elizabeth Norwood	Charlotte, N. C.
Stewart Thomas Oatman	Augusta, Ga.
Harold James Parks, Jr.	Jersey City, N. J.



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Elaine Louise Pettigrew	Charleston, S. C.
**Barry Chester Pettus	Clover, S. C.
Olga Eleise Pickering	Wadmalaw Island, S. C.
Beverly Jean Pines	Montclair, N. J.
Phyllis Regenia Pruitt	Spindale, N. C.
Bonzo Carlis Reddick	Ellerbe, N. C.
Carole Benton Ricks	Charlotte, N. C.
Betty Rivers	McClellanville, S. C.
*Jesse George Roberson, Jr.	Charlotte, N. C.
Joseph Lewis Roberts	Cherryville, N. C.
Gladston Emanuel Rouse, Jr.	New York, N. Y.
Stephen Joseph Schley	Camden, N. J.
Wilhelmina Loretta Seabrooks	Columbia, S. C.
Mack Harrison Shannon	Lancaster, S. C.
*William Shipp, Jr.	Paterson, N. J.
Leon Simmons	New York, N. Y.
Mary Alice Sims	Rock Hill, S. C.
Miriam Bernice Smith	New Zion, S. C.
Terry Leon Steele	Albany, Ga.
Patricia DeAnne Stowe	Winston-Salem, N. C.
Donna Jean Stroud	Washington, D. C.
**Annie Ruth Sturdivant	Morven, N. C.
Ida Jayne Tanner	Marshville, N. C.
Leona Ernestine Taylor	Winston-Salem, N. C.
Bedford Cleveland Thaxton, Jr.	Richmond, Va.
Richard Toatley	Winnsboro, S. C.
Winifred Alene Toliver	Wilmington, Dela.
Charles Thomas Trower	Nassawadox, Va.
Bettye Jean Tull	Woodbury, N. J.
Lewis Browning Tull	Woodbury, N. J.
*Joyce Elaine Freeman Warner	Charlotte, N. C.
Foster McKinley Wheeler	Gable, S. C.
Willetta Anderson Whitted	Winston-Salem, N. C.
Iris Gayle Williams	East Cleveland, Ohio
James Leon Williams	Brooklyn, N. Y.
Cassandra Jean Willis	Paterson, N. J.
Jackie Louis Wilson	Brooklyn, N. Y.
Nancy Loraine Wilson	Abbeville, S. C.
James Alfred Wright	Philadelphia, Pa.
James Francis Wright, II	Salisbury, N. C.

### Bachelor of Science

#### CUM LAUDE

*Ann Roberson Foxx	Charlotte, N. C.
James Lee Greene	East Orange, N. J.
Willie Conley Johnson	Jacksonville, Fla.
Patricia Demetria Williams	Columbia, S. C.
Henry Andrew Wilson, Jr.	Southern Pines, N. C.

**Bachelor of Science**

James Elza Bennett	-----	Palestine, Tex.
James Albert Boyd	-----	Columbia, S. C.
DonYvonne Davis	-----	Saluda, S. C.
Barbara Dawson	-----	Charleston, S. C.
Lucy Baker Dupee	-----	Martinsville, Va.
Bertha Marie Eggleston	-----	Waterbury, Conn.
Yolanda Elpedia Ford	-----	Durham, N. C.
William Wesley Harmon	-----	Charlotte, N. C.
Vivian Vaughn James	-----	Conway, S. C.
Vernie Lee Johnson	-----	Charlotte, N. C.
Frances Geraldine Lewis	-----	Rocky Mount, N. C.
Roger Kent McDuffie	-----	Rock Hill, S. C.
*John Troy McQueen	-----	Bennettsville, S. C.
**Charles Wesley Parker, Jr.	-----	Kittrell, N. C.
Irvelle Celeste Penn	-----	East Orange, N. J.
Charles Gray Smith	-----	Lake Worth, Fla.
*Michael Wayne Walker	-----	Augusta, Ga.
James Frank Wells	-----	Rock Hill, S. C.
Charles Michael Williams	-----	Pageland, S. C.
Rosa Mae Witsell	-----	Charleston, S. C.

**Bachelor of Divinity**

Thomas Alrich Boone, Charlotte, N. C.; B.S.C., North Carolina College

Young Ik Cho, Young-Kwang-up, Chun-Nam, Korea; B.A., Taejon Presbyterian College

Franklin Delano Colclough, Alcolu, S. C.; B.A., Johnson C. Smith University

James Edward Coleman, Charlotte, N. C.; A.B., Benedict College

John Elliott Talford, Charlotte, N. C.; B.A., Johnson C. Smith University

**Honorary Degrees**

**Doctor of Laws**

Dr. John Hope Franklin

Dr. Walter L. Moser

**Doctor of Humane Letters**

Odetta

\*As of July, 1967

\*\*As of January, 1968



# GEOGRAPHICAL DISTRIBUTION OF STUDENTS

1968 - 1969

STATE	COLLEGE OF LIBERAL ARTS	THEOLOGICAL SEMINARY	TOTAL
ALABAMA -----	15		15
CALIFORNIA -----	2		2
COLORADO -----	1		1
CONNECTICUT -----	8		8
DISTRICT OF COLUMBIA -----	20		20
FLORIDA -----	39	1	40
GEORGIA -----	58		58
ILLINOIS -----	6		6
INDIANA -----	8		8
KENTUCKY -----	4		4
LOUISIANA -----	5		5
MARYLAND -----	2		2
MASSACHUSETTS -----	5		5
MICHIGAN -----	6		6
MISSISSIPPI -----	1		1
MISSOURI -----	1		1
NEW JERSEY -----	78		78
NEW YORK -----	88	1	89
NORTH CAROLINA -----	543	8	551
OHIO -----	5		5
OKLAHOMA -----	1		1
PENNSYLVANIA -----	30		30
SOUTH CAROLINA -----	387	8*	395
TENNESSEE -----	3		3
TEXAS -----	1		1
VIRGINIA -----	103		103
WISCONSIN -----	1	1	1
AFRICA -----	5		5
ISRAEL -----	1		1
SOUTH AMERICA -----	1		1
TOTALS -----	1428	18	1446
*DUPLICATION			1
			1445





GENERAL NUMERICAL SUMMARY OF STUDENTS

DIVISIONS	Year 1968-1969				Regular Enrollment	Special Students	SUMMER SCHOOL	MEN	WOMEN	GRAND TOTAL	Students Working For Degrees
	1	2	3	4							
UNDERGRADUATE DIVISION College of Liberal Arts -----	641	328	211	228	1408	20		678	750	1428	1408
PROFESSIONAL SCHOOL THEOLOGICAL SEMINARY --	7	3	7		17	1		18	0	*18	17
TOTAL—College of Liberal Arts and Professional School ----	648	331	218	228	1425	21		696	750	1446	1425
SUMMER SCHOOL — 1968-----							407	174	233	407	324
TOTAL—College of Liberal Arts, Professional School, and Summer School -----								870	983	1853	1749
DUPLICATIONS						1	278	137	142	279	278
TOTALS -----	648	331	218	228	1425	20	129	733	841	1574	1471

\*ONE DUPLICATION





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